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/Diane Bergin/  
**Diane Bergin**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

**Michael G. Kahn et al.**

Application No.: **09/584,936**

Confirmation No.: **5001**

Filed: **31 May 2000**

Title: **CLINICAL TRIALS MANAGEMENT  
SYSTEM AND METHOD**

Group Art Unit: **3626**

Examiner: **Lena Najarian**

**CUSTOMER NO. 22470**

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Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SECOND DECLARATION OF INVENTOR MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

I, MICHAEL MISCHKE-REEDS, declare as follows:

1. I am one of the inventors named in the above-identified patent application.

With this Declaration, I provide documentary evidence that the invention of the above-identified patent application was conceived prior to September 10, 1999, and that we worked diligently toward a reduction to practice from a date prior to September 10, 1999, until after May 31, 2000.

2. I was an employee of FastTrack Systems, Inc. before, during and after the period September 10, 1999 through May 31, 2000.

**Conception**

3. Claim 1, as currently pending in the above-identified patent application, calls roughly for a computer readable medium carrying a machine readable database identifying: (1) patient eligibility criteria for a clinical trial protocol; and (2) a plurality of workflow tasks for the clinical trial protocol. The workflow tasks are to include either (a) a post-enrollment instruction to have a specified test performed on the patient, or (b) a post-enrollment instruction to have a specified CRF completed for the patient.

4. We conceived of such a product well prior to September 10, 1999, and as evidence of this I attach, among other things (1) a document dated August 10, 1999 entitled "FASTTRACK Systems, Inc. Execuctive (sic) Summary" (attached hereto as Exhibit A), and (2) screen shots from two non-functional demos in existence as of July 20, 1999 at the request of FastTrack Systems (attached hereto as Exhibits B-H).

5. Exhibit A is an Executive Summary prepared by Michael Kahn and others at FastTrack Systems. The date of the document is not in the document itself, but the name of the document on disk is "FT Executive Smry 8\_10\_99.doc" Thus the date of this document is August 10, 1999, a month prior to September 10, 1999.

6. Pages 2-3 of Exhibit A recite:

The heart of FASTTRACK's technology is the Intelligent Clinical Protocol (ICP). The clinical protocol is the foundation of every trial and largely determines the time, cost and ultimate success or failure of the trial. All parts of a trial, including recruitment, treatment, data requirements, trial management and reporting, flow from detailed specifications contained in the protocol. FASTTRACK believes that a system driven by the fundamental protocol provides the best solution for improving the trial process.

The ICP begins with a protocol authoring tool that exploits detailed knowledge bases such as trial design templates, historical and competing clinical trials, actual medical procedure costs, anonymized patient clinical summaries, FDA and European regulatory requirements, preclinical pharmacokinetic and pharmacodynamic models and statistical parameters to assist the pharmaceutical

medical director optimize study design and model all aspects of the clinical development process. FASTTRACK software automatically translates the protocol into an intelligent electronic Case Report Form (eCRF) to be transmitted electronically to the physicians performing trials. Anticipating the rapid growth of electronic medical records, the eCRF will automatically screen the physician's or institution's current patient records to determine trial eligibility.

Following enrollment, FASTTRACK protocol-directed workflow management software will generate appropriate role-specific task lists to ensure that the physician, nurses and other staff execute the trial tasks as specified in the protocol. Finally, FASTTRACK standard point of care data collection devices to ensure that all required data is captured in real time and is automatically 'reality & quality checked' while the patient is in the physician's exam room.

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Additional direct benefits to the study sponsors include: rapid analysis of interim study results, immediate implementation of any mid-study protocol modifications, near real-time monitoring of patient accrual and other project milestones, and point-of-service data validation and quality assurance. Direct benefits to study locations include: rapid patient accrual using automated screening tools, automatic protocol modifications without manual intervention, automated workflow and task lists for improved study productivity and throughput, and electronic data capture eliminating paper piles. The use of automated processes will eliminate many oversight steps which currently are done manually. Removing the manual tasks will significantly reduce direct labor costs, travel expenses, and time-to-database-lockdown.

7. On information and belief, the ICP referred to in this excerpt was to be a database that would include numerous facets of a clinical trial protocol. The database was to drive numerous automated process tools for both pre- and post-enrollment processes defined by the protocol. The mentions in the last paragraph of the excerpt, concerning "immediate implementation of any mid-study protocol modifications," "rapid patient accrual using automated screening tools," "automatic protocol modifications without manual intervention," and "automated workflow and task lists," all corroborate my recollection that the automated tools would be driven by the ICP database, such that a change in the content of the database would automatically modify the operation of all dependent tools without manual intervention. In order to accomplish this, the database was to include all the necessary data for driving these tools. Such data was to include

"patient eligibility criteria", so as to drive the mentioned automated patient screening tools, as well as "post-enrollment instructions to have a specified test performed on a patient", so as to drive the "automated workflow and task lists."

8. My recollection that the database was to include "patient eligibility criteria" is corroborated further by the statement in the above excerpt that "FASTTRACK software automatically translates the protocol into an intelligent electronic Case Report Form (eCRF) to ... automatically screen the physician's or institution's current patient records to determine trial eligibility."

9. My recollection that the database was also to include "post-enrollment instructions to have a specified test performed on a patient", is corroborated further by the statement in the above excerpt that "Following enrollment, FASTTRACK protocol-directed workflow management software will generate appropriate role-specific task lists to ensure that the physician, nurses and other staff execute the trial tasks as specified in the protocol." I recall that the "role-specific tasks" referred to in this statement included tasks which included performing specific tests on a patient, such as to draw blood for blood tests specified by the protocol for the current patient visit.

10. My recollection that the database was also to include "post-enrollment instructions to have a specified CRF completed for a patient," is corroborated by the statement in the above excerpt that "Finally, FASTTRACK standard point of care data collection devices to ensure that all required data is captured in real time and is automatically 'reality & quality checked' while the patient is in the physician's exam room."



11. Exhibit B. Exhibit B is a screen shot of the directory listing of a folder on a FastTrack Systems CD-ROM, setting forth the last-modified date of two software applications, SITE.exe and SPONSOR.exe. The last-modified dates for the two programs are both shown as "7/20/1999", which is well prior to September 10, 1999.

12. SITE.exe was a non-functional demo developed at the request of FastTrack Systems by a company called MONKEYmedia. The software presented a mock-up of some of the features that we expected that a study site's tool would support when executed.

13. SPONSOR.exe was another a non-functional demo developed at the request of FastTrack Systems by MONKEYmedia. SPONSOR.exe presented a mock-up of some of the features that we expected that a study sponsor's tool would support when executed.

14. Exhibits C-E are screen shots generated by the SITE.exe program when executed. Because the version of the program that was executed to generate these screen shots was not modified since its "last-modified" date of July 20, 1999, these screen shots show features that were present in the program as of that date.

15. Exhibit C illustrates the initial screen. It can be seen that the tool was to allow study site physicians to view information regarding patients, protocols, accrual information, and on-study tasks, among other things.

16. Exhibit D is a screen shot illustrating a sample Recruitment Simulator screen, within the Setup tab in Exhibit C. The fact that it shows Eligibility Criteria for a particular clinical trial protocol EST2190, further corroborates my recollection that the

database that would drive the study site tool would include patient eligibility criteria for the protocol.

17. Exhibit E is a screen shot illustrating a sample Schedule screen, within the On Study tab in Exhibit C. The fact that it shows a series of tasks to be performed in a particular visit by a particular patient, including (among other tasks) instructions to perform a Chest X-Ray, evaluate Pulmonary Function, perform a Pelvic Exam, and perform a Bone Scan, further corroborates my recollection that the database that would drive the study site tool would include post-enrollment instructions to have specified tests performed on a patient.

18. Exhibits F-H are screen shots generated by the SPONSOR.exe program when executed. Again, because the version of the program that was executed to generate these screen shots was not modified since its "last-modified" date of July 20, 1999, these screen shots show features that were present in the program as of that date.

19. Exhibit F illustrates the initial screen. It can be seen that the tool was to allow study sponsor physicians to view information regarding protocol authoring, among other things.

20. Exhibit G is a screen shot illustrating a sample Eligibility Checklist screen, within the Authoring tab in Exhibit F. The fact that it shows Eligibility Criteria for a particular clinical trial protocol EST2190, further corroborates my recollection that the database that would drive the study sponsor tool, as well, would include patient eligibility criteria for the protocol.

21. Exhibit H is a screen shot illustrating a sample Protocol Editor screen within the Authoring tab in Exhibit F. The graphic on this screen illustrates a study

schema setting forth the visit sequences that a patient would follow according to the clinical trial protocol, and the tasks that would be performed on each visit, all as would be included in the ICP database. The fact that various tests would be performed on the patient at many of such visits corroborates my recollection that the database that would drive the study sponsor tool, as well, would include post-enrollment instructions to have specified tests performed on a patient.

**Diligence Toward Actual Reduction To Practice**

22. In the following paragraphs, my memory of some of the dates I state is corroborated by the "last modified" date of the relevant document in my personal computer archives. Exhibit V is a screenshot of a directory listing showing these last modified dates (in the column called "Date Modified") on my computer. I have redacted file and directory names not required for purposes of this Declaration, and I have written in the Exhibit letters for the documents in the directory that correspond to the exhibits attached hereto.

23. FastTrack Systems worked diligently toward developing a working prototype of a system incorporating the invention. Roughly described, the process involved first developing a series of high level "use cases", setting forth a preliminary vision of what functions a system according to the invention would perform for a user. These preliminary "use cases" were prepared mainly by me, together with others within FastTrack Systems.

24. Next, FastTrack Systems retained MONKEYmedia to help work through and refine the high level use cases, and develop a preliminary design for the graphical user interface (GUI). The development of the demo software described above was one of MONKEYmedia's deliverables, and was a necessary step in the ultimate development of a working prototype system. MONKEYmedia also worked on a Functional Specification which set out the detailed requirements that software programmers need to code the functional prototype. MONKEYmedia worked closely with us continuously on these projects from about July 1999 through about July 2000.

25. Partially concurrently with MONKEYmedia's work, FastTrack Systems also engaged Concept Five Technologies, Inc., a software development firm, to develop the use cases and GUI design into a functional prototype system. Concept Five's process included drafting a software Architecture document, which divides the desired operation of the system into many functional components and specifies the ways that they are to interact in order to accomplish the desired operations. The Architecture document was developed and revised over numerous drafts. Concept Five also drafted technical specifications for many of the individual functional components, which is the next level of detail toward actual coding of the software. Concept Five worked closely with us continuously on these projects from about September 1999, well into 2000.

26. Beginning in January 2000, FastTrack Systems began hiring its own internal engineering team. Concept Five handed off the continued prototype development work to this team over a period of several months beginning in April 2000. Exhibit Q is a planned overview of this transition as prepared by Mr. Rick Larsen in March 2000. I recognize this document because I received a copy of it. My recollection of the date it was prepared is corroborated by the file listing in Exhibit V, which shows the document "C5transition2(rick)" as having a last-modified date of March 28, 2000.

27. Exhibit I, on information and belief, is a copy of pages 115-118 from Michael Kahn's second notebook. These pages appears to be his notes of a status meeting on October 20, 1999 with the development company, MONKEYmedia, which corroborates my recollection that MONKEYmedia were proceeding with their development of the Functional Specification.

28. Exhibit J, on information and belief, is a copy of page 140 from Michael Kahn's second notebook, which contains what appears to be his notes of an October 28, 1999 Board Meeting. The second "accomplishment" listed at the bottom of the page says, "Conducted market research, defined architecture and Release 1, started development." This note corroborates my recollection that development of the prototype was proceeding.

29. Exhibit R is a set of "Scenario Stories" prepared by MONKEYmedia, of which I received a copy in October 1999. My recollection of the date that I received this document is corroborated by the file listing in Exhibit V, which shows the document "scenario\_storiesFTSS-03" as having a last-modified date of October 13, 1999. This document sets forth three example scenarios in which the system being developed would address, and indicates how the system would operate in each. Scenario One mentions that the clinical coordinator checks her FastTrack Systems Dashboard (a user interface to the system) and finds in a Task Management screen a list of the tasks to be performed during the visit of patient Jane Doh on Thursday. Other tasks are listed which are to be completed before Jane Doh's following visit. The tasks listed include "chest X-ray".

30. In addition, Scenario One also recites that the "task list" is downloaded to a HandHeld device ("HH"), and various personnel perform the tasks listed on the HandHeld. The status of the tasks on the task list are later uploaded to the central FastTrack Systems database.

31. These recitations corroborate my recollection that the database in the prototype system being developed was to include post-enrollment instructions to have specified tests performed on a patient (such as taking a chest X-ray).

32. Furthermore, Scenario Three in Exhibit R recites that prior to enrolling patients for a new study at a particular clinic, the clinical coordinator disseminates an "eligibility checklist" to MD's and care providers via the HandHeld. This recitation corroborates my recollection that the database in the prototype system would include patient eligibility criteria for the clinical trial protocol.

33. Exhibit K are the cover page and pages 12-17 and 22-23, from the version 1.0d05 of the Functional Specification. This document corroborates my recollection that development of the document by MONKEYmedia was still proceeding as of its date, which is December 17, 1999.

34. The description on pages 22-23 of Exhibit K, entitled "3 Eligibility Checklist", corroborates my recollection that the database in the prototype system would include patient eligibility criteria for the clinical trial protocol.

35. The description on pages 12-17 of Exhibit K, entitled "3 Patient Task Screens", concerns tasks that are to be performed on a particular patient on a particular visit. This particular description does not provide specific example tasks, but nevertheless it does corroborate my recollection that the database in the prototype system would include post-enrollment instructions to have specified tests performed on a patient.

36. Exhibit L, on information and belief, is a copy of page 63 from Michael Kahn's third notebook, which contains what appears to be his notes of a meeting on January 10, 2000. The list of attendees at this meeting includes Mr. Luke Brennan, who was a programmer hired to help code the prototype system. This document corroborates my recollection that by January 10, 2000 we had hired our first programmer to help code the prototype system.

37. FastTrack Systems also hired Mr. Rick Larsen, who started employment at FastTrack Systems in mid-February 2000 as Vice President of Engineering. One of Mr. Larsen's tasks was to oversee the further development of the prototype system.

38. Exhibit M is a spreadsheet which I understand was provided by Mr. Larsen, and which appears to be a schedule showing numerous tasks being performed and to be performed during the period March 13, 2000 and June 23, 2000, toward the development of the prototype. The document corroborates my recollection that the prototype system was in active development before, during and after the period March 13, 2000 through May 31, 2000.

39. Exhibit N is a set of invoices submitted by MONKEYmedia to FastTrack Systems for the development work described above. I recognize these invoices because I was the primary person that approved them for payment, as evidenced by my approval signature on many of the invoices.

40. The invoices show retainers invoiced from June 1999 through June 2000, thousands of person-hours of time spent by MONKEYmedia personnel during the same time period, expenses reimbursed to MONKEYmedia personnel, updated Project Assignment contracts, and other evidence of continuous development work up to Project Completion on July 21, 2000. These invoices corroborate my recollection that MONKEYmedia worked closely with us continuously on the above-described projects from at least as early as July 1999 through about July 2000.

41. Exhibit O is a spreadsheet prepared by Concept Five in August 1999, as part of their proposal for performing the software development work for FastTrack described above. The top half is a proposed budget for their work through December



1999 assuming they were to begin by September 1, 1999, and the bottom half is a proposed budget for their work through December 1999 assuming they were not to begin work until mid-September. I received this document in August 1999, and it corroborates my recollection that Concept five joined MONKEYmedia on the prototype development team in September 1999. My recollection of the date I received this document is corroborated by the file listing in Exhibit V, which shows the document "c5proposal" as having a last-modified date of August 13, 1999.

42. Exhibit P is a Work Plan Summary prepared by Concept Five and received by me in October 1999. My recollection of the date I received this document is corroborated by the file listing in Exhibit V, which shows the document "WorkPlanSummaryv0.2" as having a last-modified date of October 6, 1999. This document shows work done by Concept Five beginning no later than September 24, 1999, and projected to continue uninterrupted through at least December 6, 1999. In fact Concept Five's engagement with FastTrack Systems began at least as early as September 22, 1999 (see Exhibit S) and extended well into 2000. This document corroborates my recollection that Concept Five worked closely with us continuously on the above-described projects from September 1999, well into 2000.

43. Exhibit S is an Architecture Document rev. 0.1, dated September 22, 1999, and prepared by Concept Five. I received a copy of this document. This document corroborates my recollection that prototype development was in process on September 22, 1999, and probably earlier, since it would have taken some time for Concept Five to have assembled this document. Concept Five delivered a series of these Architecture

Documents, progressively refining them, over the months of their engagement with FastTrack Systems.

44. As can be seen, page 6 of Exhibit S, column 2, first paragraph, recites:

"The heart of FastTrack's proprietary information technology is the Intelligent Clinical Protocol (ICP). The clinical protocol is the foundation of every trial and largely determines the time, cost and ultimate success or failure of the trial. All parts of a trial, including recruitment, treatment, data requirements, trial management and reporting, flow from detailed specifications contained in the protocol....

FastTrack software will automatically translate the protocol into an electronic Case Report Form (eCRF) to be transmitted electronically to the physicians performing trials. Anticipating the rapid growth of electronic medical records, the eCRF will automatically screen the physician's or institution's current patient records to determine trial eligibility.

Following enrollment, FastTrack workflow management software will generate appropriate role-specific task lists to ensure that the physician, nurses and other staff execute the trial tasks as specified in the protocol. Finally, FastTrack point of care devices will ensure that all required data is captured in real time and is automatically 'reality & quality checked' while the patient is in the physician's exam room."

45. The document's reference to and ICP, and its reference to automatic screening for trial eligibility, and its reference to workflow management software to generate role-specific task lists, as well as its reference to the capturing of data in real time, all corroborate my recollection that the system that was being developed in September 1999 would include a machine readable database (ICP) containing: patient eligibility criteria for a clinical trial protocol, and workflow tasks for the clinical trial protocol, including both post-enrollment instructions to have specified tests performed on a patient, and a post-enrollment instruction to have a specified CRF completed for the patient.

46. Exhibit T is rev. 3.0 of the Architecture Document, which I received in early February 2000. My recollection of the date I received this document is corroborated

by the file listing in Exhibit V, which shows the document "ApplicationArchitectur..." as having a last-modified date of February 3, 2000. This document corroborates my recollection that prototype development was still in process in early February 2000.

47. In addition, Exhibit T's reference, at p. 5, first paragraph, to ICP-based tools, trial set-up tools to check for eligible patients, and accrual and task management, all corroborate my recollection that the system that was being developed in February 2000 would include a machine readable database (ICP) containing: patient eligibility criteria for a clinical trial protocol, and workflow tasks for the clinical trial protocol, including post-enrollment instructions to have specified tests performed on a patient. My recollection is further corroborated by the mention twice in the Message Flow diagram on p.6 of Exhibit T, of "Patient Visit" and "Patient Eligibility".

48. Exhibit U is rev. 3.6 of the Architecture Document, which I received in late February 2000. My recollection of the date I received this document is corroborated by the file listing in Exhibit V, which shows the document "ApplicationArchitectur..." as having a last-modified date of February 22, 2000. This document corroborates my recollection that prototype development was still in process in late February 2000.

49. In addition, Exhibit U's first paragraph on p. 6, contains roughly the same recitations as the first paragraph on p.5 of Exhibit T. As mentioned above, these recitations corroborate my recollection that the system that was being developed in late February 2000 would include a machine readable database (ICP) containing: patient eligibility criteria for a clinical trial protocol, and workflow tasks for the clinical trial protocol, including post-enrollment instructions to have specified tests performed on a patient.

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50. Furthermore, my recollection is further corroborated by the database shown in the Message Flow diagram on p.7 of Exhibit U, which recites, "Trials DB: Patients; Visits; Management; CRF; Protocol." This recitation also corroborates my recollection that the ICP that was to be included in the system being developed in late February 2000 would also include post-enrollment instructions to complete a specified CRF.

51. Accordingly, FastTrack Systems proceeded diligently, from a date prior to September 10, 1999, to a date later than May 31, 2000, toward an actual working prototype of the invention of the subject patent application.

52. All the activities described in this Declaration, as well as the preparation of each of the documents described in this Declaration, all took place in the United States.

53. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that the statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the U.S. Code and that such willful false statements may jeopardize the validity of the application for any patent issued thereon or of any reexamination certificate.

DATED:

3/21/2008

  
MICHAEL MISCHKE-REEDS

**EXHIBIT A TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**EXECUTIVE SUMMARY**

# **FASTTRACK Systems, Inc.**

## **Execuctive Summary**

### **What is FASTTRACK?**

FASTTRACK is a clinical informatics and services company built around a network of domestic and international clinical trial sites and sponsors connected by advanced information technologies designed to greatly reduce the cost and improve the quality and timeliness of clinical trials. FASTTRACK focuses on Phase II and Phase III trials that are increasingly becoming the critical factor in time to market for new drugs.

### **Why is FASTTRACK Important?**

Over the next five years, pharmaceutical products worth \$30B in annual revenue will come off patent. In order to maintain the growth rates driving current valuations, the pharmaceutical industry must more than double the rate of new product introductions while maintaining current expense levels. Technologies such as combinatorial chemistry and high throughput screening have reduced the pre-clinical cycle time and the FDA Modernization Act and EU harmonization have reduced regulatory review times. But the human clinical trial time and costs have continued to grow. The time required for clinical trials now approaches 50% of the 14.7 years that it takes the average new drug to come to market. Time to market is often the most important factor driving pharmaceutical profitability -- a recent study demonstrated that the first drug-in-class to market averages a 50% market share with competing products dividing the remainder. In addition, the time for a second drug in a new class to appear in the market has decreased from six year to six month. An industry rule of thumb states that for a drug with billion-dollar market potential, each day spent in clinical trials reduces potential revenue by \$3 million due to patent expiration issues.

Clinical trials are expensive and trial costs are growing twice the rate of revenue growth. In US pharmaceutical companies alone, about \$8B or 40% of total pharmaceutical R&D is spent annually on human clinical trials. Spending on clinical trials is growing 15% per year, almost 50% above the industry's sales growth rate. Trials are growing both in number and complexity, growing from 30 trials per new drug application and less than 100 procedures per trial to almost 70 trials per application and about 160 procedures per trial, over the past 20 years. The trials process is largely paper-based and highly inefficient. In order to maintain growth and profitability, the pharmaceutical industry must significantly reduce the time and cost it takes to complete human clinical trials.

### **What is FASTTRACK's Advantage?**

FASTTRACK Systems is assembling a network of clinical trial sites that will be linked together using FASTTRACK's proprietary information technology. The FASTTRACK network provides a total integrated solution to the clinical trials process with significant advantages over fragmentary approaches, such as:

- An internet-based virtual network of "certified" and trained trial sites drawn from community clinics, specialty networks and academic centers, all which will use FASTTRACK technology to deliver efficient accrual, accurate and timely data collection and reporting, and real-time trial monitoring and compliance.
- A direct e-commerce connection between sponsors and sites that will help both parties to meet their trial goals.
- Advanced medical informatics technology that automatically generates all workflow procedures, data collection, and documentation based on the trial protocol, assuring strict adherence to protocol specifications, responsiveness to protocol changes, and timely collection of data at the point of care.
- Central resources of software and databases that can assist both sponsor and site in optimizing trials and trial accrual, including accrual modeling, cost analysis, and trial enrollment.

The heart of FASTTRACK's technology is the Intelligent Clinical Protocol (ICP). The clinical protocol is the foundation of every trial and largely determines the time, cost and ultimate success or failure of the trial. All parts of a trial, including recruitment, treatment, data requirements, trial management and reporting, flow from detailed specifications contained in the protocol. FASTTRACK believes that a system driven by the fundamental protocol provides the best solution for improving the trial process.

The ICP begins with a protocol authoring tool that exploits detailed knowledge bases such as trial design templates, historical and competing clinical trials, actual medical procedure costs, anonymized patient clinical summaries, FDA and European regulatory requirements, pre-clinical pharmacokinetic and pharmacodynamic models and statistical parameters to assist the pharmaceutical medical director optimize study design and model all aspects of the clinical development process. FASTTRACK software automatically translates the protocol into an intelligent electronic Case Report Form (eCRF) to be transmitted electronically to the physicians performing trials. Anticipating the rapid growth of electronic medical records, the eCRF will automatically screen the physician's or institution's current patient records to determine trial eligibility.

Following enrollment, FASTTRACK protocol-directed workflow management software will generate appropriate role-specific task lists to ensure that the physician, nurses and other staff execute the trial tasks as specified in the protocol. Finally, FASTTRACK standard point of care data collection devices to ensure that all required data is captured in real time and is automatically 'reality & quality checked' while the patient is in the physician's exam room.

Results will be uploaded to FASTTRACK's repository, checked by on-line queries, and loaded into the sponsor's database for statistical analysis and subsequent FDA/EMEA submission. Using highly sophisticated temporal trending and abstraction technology, the FASTTRACK database can continuously search for complex evolving patterns such as subtle but progressive toxicity or adverse events. Following approval, FASTTRACK expects to repackage this information for the sponsor's marketing group to accelerate sales ramp-up. FASTTRACK network sites will also continue data collection after the trial is over for additional marketing and post-marketing surveillance purposes.

Additional direct benefits to the study sponsors include: rapid analysis of interim study results, immediate implementation of any mid-study protocol modifications, near real-time monitoring of patient accrual and other project milestones, and point-of-service data validation and quality assurance. Direct benefits to study locations include: rapid patient accrual using automated screening tools, automatic protocol modifications without manual intervention, automated workflow and task lists for improved study productivity and throughput, and electronic data capture eliminating paper piles. The use of automated processes will eliminate many oversight steps which currently are done manually. Removing the manual tasks will significantly reduce direct labor costs, travel expenses, and time-to-database-lockdown.

FASTTRACK will deliver its information services to sponsors, CROs and sites over the Internet using a central application service provider (ASP) and thin-client model that supports multiple user devices including workstations and hand-held computers. This approach will reduce cost, complexity and learning times for its users, providing them with service-based solutions rather than simply software. It also provides a direct connection between trial sites and sponsors, eliminating much of the inefficiency associated with middlemen services. All software and data will be centrally maintained for reasons of efficiency and security. Confidentiality will be maintained through strict use of modern encryption protocols and standards.

### **What is FASTTRACK's Business Model?**

FASTTRACK will provide its solutions using a service-based business model in which FASTTRACK rather than sponsors or individual sites take responsibility for the entire trial process. This will eliminate the need for sponsors or sites to learn and support the complex technology underlying FASTTRACK and permit them to focus on the trials themselves. It will also eliminate the need for large up-front investments in equipment, software and training.

The FASTTRACK network will incorporate clinical specialty networks, community practices and academic medical centers. Each site will use the FASTTRACK information system to recruit patients, manage their trials and deliver information to sponsors. FASTTRACK will maintain a central data base that will improve accrual efficiency and provide sponsors with quantitative proof of FASTTRACK network sites' ability to deliver patients and produce high-quality data in a timely and cost-efficient manner. FASTTRACK will also provide a central clearinghouse function so that sites can learn about other trials for which their particular patient



populations would be appropriate, thereby increasing the number of trials in which they can participate. FASTTRACK's customers will include pharmaceutical organizations, CROs, SMOs and its network of trial sites. Its revenues will be derived from:

- Licenses for the protocol authoring tool based on number of trials for which it is used by each sponsor.
- Sponsor access to the central FASTTRACK anonymized database for recruitment simulation and protocol refinement and other knowledge bases, such as cost databases and population-based accrual estimates.
- Trial management and reporting services for each site using a combination of transaction and subscription pricing models.
- Sales of anonymized data to support sponsor marketing programs.
- Specialized services to support electronic data submission and other regulatory reporting requirements.
- Queries of practice locations regarding interest in potential studies or estimates of availability of unusual patient populations, marketing dynamics, longitudinal outcomes studies.
- Addition of specialized non-protocol-required screening variables, such as functional status measures, which can be used as alternative endpoints should a clinical study fail to meet its designed endpoints.
- Addition of specialized non-protocol-required variables, such as insurance status, which can be used by the site practice management administration for detailed clinical-financial evaluation of local case-mix and practice patterns.

FASTTRACK intends to focus initially on trials involving drugs with complex protocols, high patient surveillance requirements, high activity intensity, high data volume and large market potential. Examples include oncology, HIV, cardiovascular and neuroactive drug trials. Once the FASTTRACK service is operating smoothly and its fixed costs are covered the Company will expand the service to other drugs and possibly devices.

### **Who is FASTTRACK?**

FASTTRACK has assembled an executive management team of world-renowned leaders in medical informatics, clinical drug development and commercial clinical software development and proven start-up and high growth management experience. Members of the FASTTRACK Clinical Advisory Board and the Scientific Advisory Board represent world class, success-driven leaders in their fields from institutions such as Stanford University, Washington University in St. Louis, and the National Cancer Institute. The team has played central roles in the development of such drugs as zidovudine (Retrovir™), paclitaxel (Taxol™), doxorubicin (Doxil), mitoxantrone (Novantrone™), cis-platinum (Platinol™), didanosine (Videx™), zalcitabine (Hivid™). FASTTRACK Systems is funded by CW Ventures and ARCH Ventures, two of the leading healthcare venture capital funds that have been responsible for founding

such leading edge companies as Athena Neurosciences, Aurora Biosciences, Caliper Technologies, Millenium Pharmaceuticals, Pharmacopeia, Sugen Pharmaceuticals and Vertex Pharmaceuticals.

### **Summary – The FASTTRACK Advantage**

FASTTRACK provides the solution by which pharmaceutical companies will overcome the key bottleneck in getting new drugs to market. By offering a total set of information solutions and services for trials development and management based on unique technology it expects to revolutionize the way trials are conducted, taking significant costs and time out of the system and improving the overall success rate of the process. It provides direct, synergistic benefits to both sites and sponsors, creating a “win-win” for all participants in the clinical trial arena. We invite your inquiries about how we can help you.

**EXHIBIT B TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**SCREEN SHOT OF DIRECTORY LISTING**

D:\FastTrack Systems\Demos\Version 2.1.1

File Edit View Favorites Tools Help



Address D:\FastTrack Systems\Demos\Version 2.1.1

Name	Size	Type	Date Modified	Location
<b>F</b>				
FastTrack_SP_v2.1.1.zip	1,349 KB	WinZip File	8/15/1999 10:39 PM	Files Currently on the
FastTrack_ST_v2.1.1.zip	1,365 KB	WinZip File	8/15/1999 10:32 PM	Files Currently on the
FastTrack-SITE.dir	4,497 KB	DIR File	8/5/1999 12:20 PM	Files Currently on the
FastTrack-SPONSOR.dir	4,195 KB	DIR File	8/5/1999 12:19 PM	Files Currently on the
<b>S</b>				
SITE.exe	1,619 KB	Application	7/20/1999 6:49 AM	Files Currently on the
SPONSOR.exe	1,619 KB	Application	7/20/1999 6:51 AM	Files Currently on the

**EXHIBIT C TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**SCREEN SHOT OF SITE.EXE,  
INITIAL SCREEN**

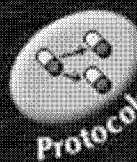
SETUP

ACCRUAL

ON-STUDY

USER:  
**Smith, Pat**  
ROLE:  
**Physician**

LOGOUT



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**EXHIBIT D TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**SCREEN SHOT OF SITE.EXE,  
SAMPLE RECRUITMENT SIMULATOR SCREEN**



ACCRUAL

ON-STUDY

## Recruitment Simulator

Location: All Sites

Disease: Breast Cancer

Protocol: EST2190

Run Search

Breast cancer patients:

Matching Patients

Eligibility Criteria

Single

Combined

Gender = Female

Age between 15 and 60

Previous Treatment: mastectomy or lumpectomy

Hormone receptor status = positive

# involved lymph nodes  $\geq 10$

Primary tumor status is not T4

Lymph node status is not N2

Metastatic disease is not present

Total Matching Patients:

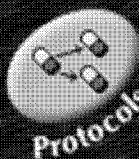
Export to Excel

SETUP

USER:  
Smith, Pat

ROLE:  
Physician

LOGOUT





**EXHIBIT E TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**SCREEN SHOT OF SITE.EXE,  
SAMPLE SCHEDULE SCREEN**

SETUP

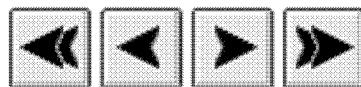
ACCRUAL

30

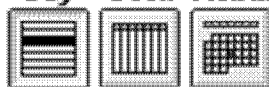
FT

Reports

# Schedule



Day Week Month



Role: Show All

June 4, 1999

Visit: Post-Chemo. Phase (Week 36)

09:00	Joe M.	▲
09:15	Sue C.	
09:30	Liz B.	
09:45	Doug H.	
10:00	Pat J.	
10:15	John P.	
10:30		
10:45	Ellie Y.	
11:00	Chris K.	
11:15	Ann R.	
11:30	Mike W.	
11:45		
12:00		
12:15		
12:30		
12:45		
13:00	Mark G.	
13:15	Jane I.	▼

<input type="checkbox"/>	History & Physical Exam	Physician	○
<input type="checkbox"/>	ECOG Performance Status	Nurse	○
<input type="checkbox"/>	Draw blood samples	Phlebotomist	○
<input type="checkbox"/>	Enter laboratory results	Coordinator	○
<input type="checkbox"/>	Chest X-Ray	Outside referral	○
<input type="checkbox"/>	Pulmonary Function	Outside referral	○
<input type="checkbox"/>	Pelvic Exam	Physician	○
<input type="checkbox"/>	Bone Scan	Outside referral	○
<input type="checkbox"/>	Chemo. Questionnaire	Nurse	○

New Edit Remove

USER:  
Smith, Pat  
ROLE:  
Physician

LOGOUT

Patients

Protocols

Sites

FT Net

Reports

ON-STUDY

**EXHIBIT F TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**SCREEN SHOT OF SPONSOR.EXE,  
INITIAL SCREEN**

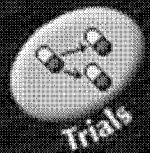
PLANNING

AUTHORING

DOCUMENT MGR

USER:  
**Smith, Pat**  
ROLE:  
**Physician**

LOGOUT



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**EXHIBIT G TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**SCREEN SHOT OF SPONSOR.EXE,  
SAMPLE ELIGIBILITY CHECKLIST SCREEN**

**Eligibility Checklist****EST2190: Inclusion Criteria**

Add

Edit

Remove

Epithelial breast cancer  
Age between 15 and 60  
# involved lymph nodes  $\geq 10$   
Gender = Female  
Previous treatment: mastectomy or lumpectomy  
Hormone receptor status = Positive  
ECOG performance status = 0 or 1  
WBC  $\geq 4,000$   
Platelets  $\geq 100,000$   
Alkaline Phosphatase  $\leq 1.2$  times normal

**EST2190: Exclusion Criteria**

Add

Edit

Remove

Primary tumor status not = T4  
Previous treatment not = chemotherapy  
Previous treatment not = radiation therapy  
Lymph node status not = N2  
Metastatic disease is not present  
Not pregnant or lactating  
No history of heart disease  
No symptomatic CNS disease

Reset

Cancel

Save

USER:  
**Smith, Pat**  
ROLE:  
**Physician**

LOGOUT

AUTHORING

Diseases

Trials

Sites

FT Net

Reports

**EXHIBIT H TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**SCREEN SHOT OF SPONSOR.EXE,  
SAMPLE PROTOCOL EDITOR SCREEN**

PLANNING

RECORD

RECORD

RECORD

RECORD

DOCUMENT MGR

## Protocol Editor

Trial Name: EST2190

Version: January 12, 1997

Title: A Phase II Study of Conventional Adjuvant Chemotherapy versus High Dose Chemotherapy

Authors: Doe, John  
White, Chris  
Smith, Pat

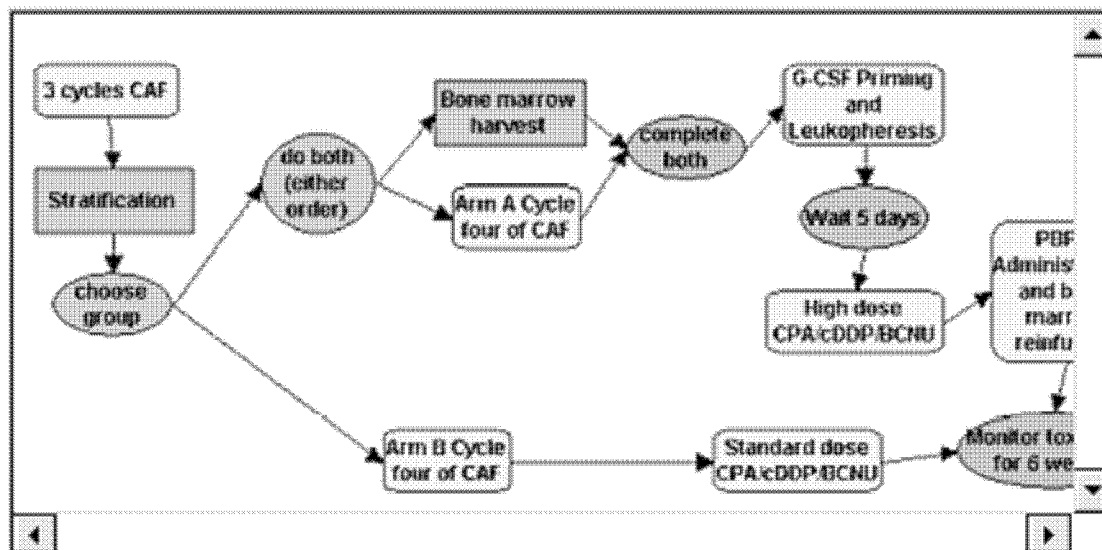
LOGOUT

Step: Action\_Step

Add

Edit

Remove



Eligibility

Recruitment

Budget

Regulatory

Library

AUTHORING

Diseases

Trials

Sites

FT Net

Reports

USER:  
Smith, Pat  
ROLE:  
Physician



**EXHIBIT I TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**PAGES 115-118 FROM SECOND NOTEBOOK OF  
MICHAEL KAHN**

20 Oct 99

## Requirements Group

Monkey Media - prototype / GUI

Concept 5 - infrastructure

- ① WF Models
- ② MM Storyboards
- ③ Req List

Sent's documents

mclBB documents - fine grained documentation

Status: mclBB

Actual modeling (~40% done)

List of use cases P&amp;X (10 cases) ~40% done

Concurrent issues list

Requirements document cross indexed

Study setup list

Task Management

Data Capture - Rev 2

Overall Features

Project Management / Dashboard (easy after setup/actual)

Product Feature List: In/Out

Actual "issues"

Site Setup: Installation

Training

Interfaces

Investigator GUIs

IRB

- |   |  |                              |
|---|--|------------------------------|
| ① | Prescreening                                     | Quick Screen <1 min          |
| ② | Eligibility Review using standard of care values | Eligibility Checklist <2 min |
| ③ | Consent  |                              |
| ④ | Study-specific screening protocol / values       | Eligibility Checklist CRF    |
| ⑤ | Enroll   |                              |
| ⑥ | Treatment protocol                               | Task List by Visit           |

### Type of Treatment (treatment modalities)

Screening Patients based on QS features

Screening Studies based on patient/provider preferences

#### Task Management

- Consent process
- Screening tools
- Enrollment

PDQ groups by stage of disease + some special category  
Stage 1 or Stage 2 Rx -

; Most are Chemo

or Chemo + Immunotherapy

- couple of trials = surgery difference
- couple of trials = different RT
- nutrition / exercise
- quality of life

## Dashboard

### ① Multitrial Summary

	Status	Metrics
Trial 1		
Trial 2		
Trial 3		

### ② Sequential Summary

	Status	Issues	Next Steps
Patient 1			
Patient 2			
Patient 3			

### ③ Patient View

Visit	Expected Visit Date	Actual Visit Date	Tasks completed	Issues
visit 1				
visit 2				
misc notes				

### ④ Calibration View (by role??)

Tuesday	Wednesday	Thursday
-	-	-
-	-	-
-	-	-
-	-	-

### ToDo / Reminder / Alert

- ① Trial Setup "In Box"
- ② Queries or Analysis outstanding
- ③ Patient Visits Gravitational Task List
- ④ NE follow-up
- ⑤ Missed Visit

### Site Setup → Patient (CUI)

#### Study Setup

- Evaluate proposal (Budget, Recruitment)
- Staging (IRB, contracts)

Frames -

Milestones

Invoicing

AP/AR

Capacity; Resource Planning

**EXHIBIT J TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**PAGE 140 FROM SECOND NOTEBOOK OF MICHAEL  
KAHN**

23 Oct 99 Board Meeting

Bob Nelson  
Arctone

Approved: Minutes 9/13/99

10,000 shares Kohone

Declarative

\$750,000 budget : \$750,000

6% / annum

Due & payable in 30 days demand

demand no earlier than 6/1/2000.

If Preferred B  $\geq$  \$5M, with at least 1 new ~~option~~ investor,  
the outstanding principal & interest will be  
converted into Preferred B shares.

If Preferred B  $<$  \$5M, the holder will have the  
option to convert outstanding principal & interest into  
Preferred B shares.

Warrant: 10% of the loan amount

Warrant exercise price = Preferred B price

Warrant Term = 3 years.

Accomplishments:

Recruited team, setup office

Conducted market research, defined architecture and Release 1, started development

Recruited sites & sponsors, started WF analysis

Initiated partner discussions

Developed financial model, business plan & presentation

Initiated investor discussions

**EXHIBIT K TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**FUNCTIONAL SPECIFICATION V1.0D05,  
COVER PAGE AND PAGES 12-17 AND 22-23**





*Information architecture*  
*Interaction technique*  
*Interface design*

**FastTrack Systems**

# **Functional Specification**

**by MONKEYmedia**

version 1.0d05  
December 17, 1999

<b>CONFIDENTIAL</b>
---------------------

## 2. Patient List

**Patient List**

Today's visit (January 1, 2000)

09:00 - Edwards, Jill (IN)	
09:15 - Doh, Jane (HS)	
09:30 - Boe, Pam (IN)	
09:45 - Young, Christine (IN)	
10:00 - Smith, Betty (C1)	
Green, Joan (C1)	
Stephens, Mae (C1)	
10:15 - Rogers, Sandy (PC)	
10:30 - Moe, Pat (C2)	
10:45 - Opus, Lisa (C1)	
11:00 - Kay, Sue (IN)	
11:15 - Ingram, Liz (C1)	
Ann, Deb (C1)	
11:30 - White, Susie (HS)	
11:45 - Groene, Jill (HS)	

Note:  
IN = initial screening visit  
HS = history  
C1 = chemo cycle I  
C2 = chemo cycle II  
PC = port-chemo followup

**Figure 7 - Task List: Patient List**

A successful login from the Patient List Log-in [1] leads to the Patient List. This screen allows access to all the patients scheduled at the clinic for that particular day

A user with patient list access rights selects the patient whose tasks will be displayed on the task list screens [3] by clicking on the appropriate patient.

The patient list is also the parking spot for the unit before it is put into the pre-docking state.

After a predetermined interval of time without user input, the system times out, logs the current user out and blanks the screen per Sleep Screen#1 [1.1].

## 3. Patient Task Screens

This area of functionality includes several different sub-sections:

- 3.1 — the Full Task List
- 3.2 — the Outstanding Tasks List
- 3.3 — the Task Info Screens

A user will arrive at this series of screens in one of two ways:



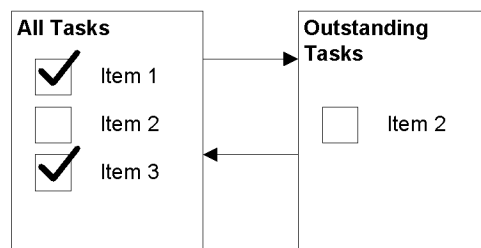
- As a staff member with "change patient" rights who has selected a different patient's tasks to view from the patient list [2].
- As a role player who is currently completing one of the listed tasks. This role will login via Login Screen #2 [4].

After a predetermined interval of time without user input, the system times out, saves any data that has been entered, logs the current user out, and blanks the display per 4.

### **Assumptions**

The tasks listed are determined by two prerequisites:

- Clinical coordinator has reviewed all tasks associated with a particular patient visit and validated the tasks.
- Protocol-mandated tasks have been entered into the FTS by the FTS staff, such that the task list reflects the protocol.



**Figure 8 - Task List: All Tasks v. Outstanding Tasks**



### 3.1 Patient Identifier Screen

**Confirm Correct Pt.**

Patient Name:	<b>Jane Doe</b>
Visit Date:	<b>January 1, 2000</b>
Disease Area:	<b>Oncology</b>
Trial Name:	<b>Nu-DrugXYZ123</b>
Visit#:	<b>6 (from 10)</b>
Med Rec#:	<b>555-12-3456</b>

Done w/ Role

Done w/ Pt.

**Figure 9 - Task List: Patient Identifier Screen**

The user will use the following patient identifiers to confirm that the patient at hand matches the patient whose data is on the handheld unit.

- Patient name
- Visit date
- Disease area
- Trial name
- Visit number
- Medical record number
- Current user

This may be an independent screen or it may be embedded in the Full or Outstanding Task List.

If this is an independent screen, a predetermined interval of time without user input causes the system to time out, log of the current user, and blank the screen per [4].

If this is a separate screen, re-login from sleep/login screen #2 [4] could lead to this screen before the task list to help users avoid errors in patient care.



## 3.2 Full Task List

**All Tasks**

See Outstanding Items Only

1 ☒ Item 1

2 ☒ Item 2

3 ☐ Item 3

4 ☒ Item 4

Others/Notes

Reset Done w/ Role Done w/ Pt.

**Figure 10 - Task List: Full Task List**

The Full Task List includes all of the tasks associated with a particular patient visit for a particular day. This screen is the default view upon role-based login. A comment field at the bottom of the screen displays any notes the clinical coordinator has written to the staff members who will see the patient. Alternately, a staff member may enter a note for the clinical coordinator.

Information on any task may be obtained by clicking on the "info" button next to the item. This will open the Task Info Screen [3.3].

The [Reset] button returns the data to the state it was in before the most recent login.

After a task has been completed, the user checks it off in the list. When all the tasks associated with a role have been completed, the user clicks the [Done with Role] button. This action saves the data that has been entered and leads to Sleep/Login Screen #2 [4].

If some of the tasks associated with a role have not been completed before the user clicks [Done with Role], they will migrate from the Full list to the Outstanding list [3.2]. The user may toggle between the Full List and the Outstanding List using the appropriate button.

When all the tasks associated with a patient have been completed — and before the patient exits — the clinical coordinator reviews the task list. Any missing data may be gathered at that time, staff, supply, and patient availability permitting.

If no data is missing or it is not feasible to address any discrepancies at the time, the clinical coordinator may click the [Done with Patient] button to close the task list. This action saves all the data that has been entered and produces the Patient Rights Login Screen [5].



After a predetermined interval of time without user input, the system times out, saves any data that has been entered, logs the current user out, and blanks the display per 4.

There are pros and con's to using the reset button.

- Pro: It allows clearing of inadvertent entries
- Con: It risks creating confusion and clutter in the limited real estate.

### 3.3 Outstanding Tasks List

Outstanding Tasks

See Full Task List

3 ☐ Item 3

Others/Notes

Reset

Done w/ Role

Done w/ Pt

**Figure 11 - Task List: Outstanding Tasks**

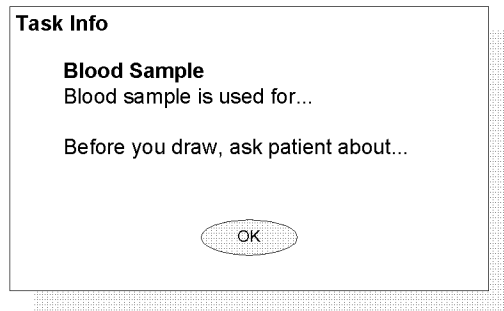
The Outstanding Tasks List displays any items that remain to be addressed before the end of a patient visit. As noted above, all tasks not checked off by a role populate this screen.

Information on any task may be obtained by clicking on the "info" button next to the item. This will open the Task Info Screen [3.3].

After a predetermined interval of time without user input, the system times out, saves any data that has been entered, logs the current user out, and blanks the screen as per 4.

### 3.4 Task Info Screen





**Figure 12 - Task List: Task Info Screen**

Information about tasks is displayed on this screen. Clicking [OK] will take the user back to either the Full Task [3.1] or the Outstanding Tasks List [3.2].

After a predetermined interval of time without user input, the system times out, saves any data that has been entered, logs the current user out, and blanks the screen as per 4.

When the user checks off an item in the Outstanding List, then selects info on a task, the data may either remain on that screen or migrate to the Full List.

#### **4 .Sleep/ Login Screen #2**

Visually, this screen resembles Login Screen #1. For a full discussion of the functionality of the Login screens, see Chapter 5, "Ubiquitous Controls and Affordances."

This screen serves as the portal for a return to the Task List [3].

Sleep Screen #2 is a result of timeouts from the Task List [3], Login #2 [4], Failure Message #2 [4.1], Patient Rights Login [5] and Failure Message #3 [5.1].

#### **5. Patient Rights Login Screen**

Visually, this screen resembles the Patient Rights Login of Section One.

This screen inherits all the properties and rules of general Login and Sleep functionality as described in Chapter 5, "Ubiquitous Controls and Affordances," with the exception of the addition of a [Cancel] button to allow a return to the Task List [3].

A successful login takes the user to the patient list, while timeout from this screen takes the user to a login screen that leads back to the task list.



user to the Eligibility Checklist [3] for the trial. Clicking on [Back to QuickScreen] takes the user to the QuickScreen screen [1].

## 2.1 Trial Info #1

**Trial Info**

**Trial: NUDRUG-XYZ123**

The success of adjuvant therapy stems from its potential ability to eradicate pre-clinical microscopic metastases. The bone marrow is a frequent site of breast cancer metastases.

Back to List of Trials      Check Eligibility for This Trial

**Figure 16 - QuickScreen: Trial Info #1**

This screen will display a brief description of the trial selected by the user. The description may include a brief outline of some of the steps in the trial as well as details about what data the sponsor is looking for or what symptoms the drug addresses.

From this screen, the user may return to the Browse Trial Results screen [2] by clicking [Back to List of Trials] or go on to check eligibility by clicking on [Check Eligibility for This Trial].

## 3 Eligibility Checklist

**Eligibility Checklist**

**Trial: NUDRUG-XYZ123**

**Inclusion Criteria:**

1. Epithelial breast cancer
2. Age between 15 and 60
3. # involved lymph nodes  $\geq 10$
4. Gender = Female
5. Previous treatment: mastectomy or lumpectomy
6. Hormone receptor status = Positive
7. ECOG performance status = 0 or 1
8. WBC  $\geq 4,000$
9. Platelets  $\geq 100,000$
10. Alkaline Phosphatase  $\leq 1.2$  times normal
11. Bilirubin  $\leq 1.2$  times normal
12. SGOT  $\leq 1.2$  times normal
13. Ejection fraction (MUGA)  $\geq 50\%$

**Exclusion Criteria:**

1. Primary tumor status not = T4

Back (Select a Different Trial)      Back to QuickScreen      Qualify

**Figure 17 - QuickScreen: Eligibility Checklist**





This screen is used to determine if the patient qualifies for a particular trial by viewing certain inclusion and exclusion criteria. These criteria will be trial specific.

As on the trial listing screen, more information about the trial can be read by clicking on the trial name below the patient identifiers. This leads to Trial Info #2 [3.1].

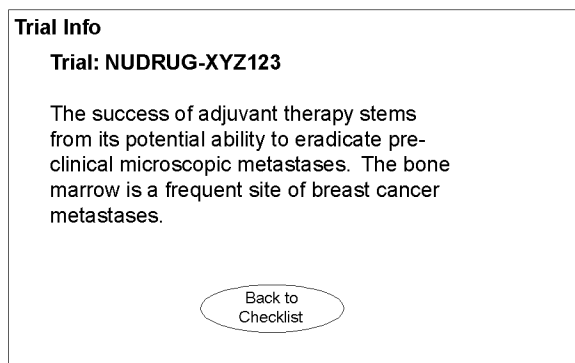
The user also has the option of returning to the Browse Trial Results [2] screen to select a different trial by clicking the [Back] button. A return to the QuickScreen may be accomplished by clicking [Back to QuickScreen].

Clicking [Qualify] produces the Qualification Confirmation Screen [4]. This button does *not* cause the unit to perform any calculation of eligibility.

Open issues related to this screen include:

- The number of trials, with all their different criteria, that the handheld unit can store.

### 3.1 Trial Info #2



**Trial Info**

**Trial: NUDRUG-XYZ123**

The success of adjuvant therapy stems from its potential ability to eradicate pre-clinical microscopic metastases. The bone marrow is a frequent site of breast cancer metastases.

Back to Checklist

**Figure 18 - QuickScreen: Trial Info #2**

This screen will display a brief description of the trial selected by the user. The description may include a brief outline of some of the steps in the trial as well as details about what data the sponsor is looking for or what symptoms the drug addresses.

From this screen, the user may ONLY return to the Eligibility Checklist screen [3].



**EXHIBIT L TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**PAGE 63 FROM THIRD NOTEBOOK OF MICHAEL KAHN**

10 Jan 00

63

MMR  
CBC  
Luke Brennan  
Erent Treger  
Paul Nadler

Site Boston Line  
Sponsor Boston Line  
Developer Boston Line

Context:

- ① 1.0, 1.5, 2.0 - what they mean
- ② Review state of requirements summary document
- ③ Work thru list

Release 1.5 = "bear the weight"

1.0 = "initial stepping stone" - mostly site assumptions

2.0 = "different beast"

Sponsor

Accrual simulation

Site selection

Disentangle site behavior

- via forecasts

Tracking metrics

**EXHIBIT M TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**PROTOTYPE DEVELOPMENT SPREADSHEET,  
MARCH 13, 2000 - JUNE 23, 2000**

ID	Task_Name	Duration	Start_Date	Finish_Date	Predecessors	Resource_Names
1	release 1.0a prime	70 d	3/13/2000 8:00	6/23/2000 17:00		
2	this is a modified 1.0a plan that also includes simple trial/visit QS	1 d	3/13/2000 8:00	3/13/2000 17:00		
3		1 d	3/13/2000 8:00	3/13/2000 17:00		
4	Dependencies	49 d	3/20/2000 17:00	5/26/2000 17:00		
5	finalize requirements/use cases	0 d	3/20/2000 17:00	3/20/2000 17:00		arian
6	AvantGo	1 d	4/14/2000 8:00	4/14/2000 17:00		AvantGo
7						
8	informatics	43 d	3/29/2000 8:00	5/26/2000 17:00		
9	Quickscreen and visit task	43 d	3/29/2000 8:00	5/26/2000 17:00		
10	define model tags and structure	1 d	3/29/2000 8:00	3/29/2000 17:00		mike kahn
11	protocol data(for unit testing)	1 d	5/3/2000 8:00	5/3/2000 17:00		mike kahn
12	final protocol data	1 d	5/26/2000 8:00	5/26/2000 17:00		mike kahn
13	final for beta	1 d	5/12/2000 8:00	5/12/2000 17:00		mike kahn
14						
15	development	53.75 d	3/13/2000 8:00	5/25/2000 15:00		
16	Infrastructure	40.75 d	3/13/2000 8:00	5/8/2000 15:00		
17	abstract entity bean framework	25.18 d	3/13/2000 8:00	4/17/2000 9:28		
18	design	1.25 d	3/13/2000 8:00	3/14/2000 10:00		allen[80%]
19	review/updates	1.25 d	3/14/2000 10:00	3/15/2000 12:00	18	phil[80%]
20	training	2.5 d	3/15/2000 13:00	3/17/2000 17:00	19	allen[80%]
21	code/unit test	7.5 d	4/5/2000 14:28	4/17/2000 9:28	61	phil[80%]
22						
23	jsp framework	5 d	3/13/2000 8:00	3/17/2000 17:00		
24	design	1.25 d	3/13/2000 8:00	3/14/2000 10:00		matt[80%]
25	review/updates	1.25 d	3/14/2000 10:00	3/15/2000 12:00	24	matt[80%]
26	code/unit test	2.5 d	3/15/2000 13:00	3/17/2000 17:00	25	matt[80%]
27						
28	security	38.25 d	3/15/2000 13:00	5/8/2000 15:00		
29	jsp	38.25 d	3/15/2000 13:00	5/8/2000 15:00		
30	modeling	8 d	3/15/2000 13:00	3/27/2000 12:00	25	john[50%]
31	Modeling/Review Security Expertise	1 d	3/27/2000 13:00	3/28/2000 12:00	30	Security Architect
32	review/update	8 d	3/28/2000 13:00	4/7/2000 12:00	31	john[50%]
33	code/unit test	6.25 d	4/28/2000 13:00	5/8/2000 15:00	32,133	matt[80%]
34	data level	35.18 d	3/15/2000 13:00	5/3/2000 14:28		
35	modeling	8 d	3/15/2000 13:00	3/27/2000 12:00	19	john[50%]
36	Modeling/Review Security Expertise	1 d	3/27/2000 13:00	3/28/2000 12:00	35	Security Architect
37	review/update	8 d	3/28/2000 13:00	4/7/2000 12:00	36	john[50%]
38	code/unit test	6.25 d	4/25/2000 11:28	5/3/2000 14:28	37,136	sidharth[80%]
39	Business Processes	52.68 d	3/13/2000 8:00	5/24/2000 14:28		
40	use case work	7 d	3/21/2000 8:00	3/29/2000 17:00		
41	use case kick-off	1 d	3/21/2000 8:00	3/21/2000 17:00	5	phil,peter,kelly,mike
42	quickscreen use case	2 d	3/22/2000 8:00	3/23/2000 17:00	41	mike[80%]
43	quickscreen synch	2 d	3/22/2000 8:00	3/23/2000 17:00	41,26	matt[80%]
44	handheld login	2 d	3/22/2000 8:00	3/23/2000 17:00	41	phil[80%]
45	resynch	2 d	3/22/2000 8:00	3/23/2000 17:00	41	peter[80%]
46	protocol loader	2 d	3/22/2000 8:00	3/23/2000 17:00	41	kelly[80%]
47						
48	Task Visit Browse/View	4 d	3/24/2000 8:00	3/29/2000 17:00	41,42	mike[40%]
49						
50	use case reviews	6.25 d	3/24/2000 8:00	4/3/2000 10:00		
51	review with domain experts	2 d	3/24/2000 8:00	3/27/2000 17:00	42,43,44,45,46	phil[80%],mike[40%],matt[80%]
52	review with developers	0.68 d	3/28/2000 8:00	3/28/2000 14:28	51	phil[80%],mike[40%],matt[80%]
53						
54	review Task Visit Browse/View	1.25 d	3/30/2000 8:00	4/3/2000 10:00	48	mike[40%]
55						
56	Business Concept Model	6 d	3/28/2000 14:28	4/5/2000 14:28		
57	business concept model	5 d	3/28/2000 14:28	4/4/2000 14:28	52	phil[80%]
58	business concept model	2 d	3/28/2000 14:28	3/30/2000 14:28	52	mike[40%]
59	business concept model	1 d	4/3/2000 10:00	4/4/2000 10:00	54,58	mike[80%]
60	business concept model	5 d	3/28/2000 14:28	4/4/2000 14:28	52	peter[80%]
61	business concept model review	1 d	4/4/2000 14:28	4/5/2000 14:28	60,57,59	peter,phil,mike,kelly
62						
63	entity beans	18.75 d	4/5/2000 14:28	5/2/2000 11:28		
64	modeling	3.75 d	4/5/2000 14:28	4/11/2000 11:28	61	sidharth[80%]
65	review	1.25 d	4/11/2000 11:28	4/12/2000 14:28	64	sidharth[80%]
66	code/unit test	12.5 d	4/12/2000 14:28	5/1/2000 9:28	65,114	rick[80%]
67	code/unit test	5 d	4/24/2000 9:28	5/1/2000 9:28	65,125	phil[80%]
68	code review	1.25 d	5/1/2000 9:28	5/2/2000 11:28	66	rick[80%]
69						
70	ddl	3.75 d	4/14/2000 16:28	4/20/2000 14:28		
71	update	1.25 d	4/14/2000 16:28	4/18/2000 9:28	65,141	kelly[80%]

72	review	1.25 d	4/18/2000 9:28	4/19/2000 11:28	71	kelly[80%]
73	run	1.25 d	4/19/2000 11:28	4/20/2000 14:28	72	kelly[80%]
74						
75	Quickscreen	34.93 d	4/3/2000 10:00	5/22/2000 9:28		
76	design ui navigation	2.5 d	4/3/2000 10:00	4/5/2000 15:00	50,43	matt[80%]
77	ui (JSP)	4.13 d	4/5/2000 15:00	4/11/2000 16:00		
78	design	1 d	4/5/2000 15:00	4/6/2000 15:00	76,61	peter[80%],mike[80%]
79	review	0.63 d	4/6/2000 15:00	4/7/2000 11:00	78	peter[80%],mike[80%]
80	qa review	0.5 d	4/6/2000 15:00	4/7/2000 10:00	78	qa
81	code/unit test	2.5 d	4/7/2000 11:00	4/11/2000 16:00	80,79	peter[80%]
82	session beans	27.5 d	4/12/2000 14:28	5/22/2000 9:28		
83	design	1.25 d	4/12/2000 14:28	4/13/2000 16:28	76,65	sidharth[80%]
84	review	1.25 d	4/13/2000 16:28	4/17/2000 9:28	83	sidharth[80%]
85	code/unit test	3.75 d	5/2/2000 11:28	5/22/2000 9:28	84,68	rick[80%]
86	code unit test	1.25 d	4/17/2000 9:28	4/18/2000 11:28	84,81	peter[80%]
87						
88	Quickscreen synchronization	52.68 d	3/13/2000 8:00	5/24/2000 14:28		
89	design ui navigation	2.5 d	4/5/2000 15:00	4/10/2000 10:00	76,50	matt[80%]
90	investigation	6.25 d	3/13/2000 8:00	3/21/2000 10:00		
91	download new AvantGo	2.5 d	3/13/2000 8:00	3/15/2000 12:00		cris[80%]
92	testing	3.75 d	3/15/2000 13:00	3/21/2000 10:00	91	cris[80%]
93	ui (JSP)	6.56 d	4/10/2000 10:00	4/18/2000 15:30		
94	design	1.56 d	4/10/2000 10:00	4/11/2000 15:30	89	allen[80%]
95	review	1.25 d	4/11/2000 15:30	4/13/2000 8:30	94	allen[80%]
96	qa review	1 d	4/11/2000 15:30	4/12/2000 15:30	94	qa
97	code/unit test	3.75 d	4/13/2000 8:30	4/18/2000 15:30	96,95	allen[80%]
98	session beans	27.5 d	4/17/2000 9:28	5/24/2000 14:28		
99	design	1.25 d	4/17/2000 9:28	4/18/2000 11:28	89,84	sidharth[80%]
100	review	1.25 d	4/18/2000 11:28	4/19/2000 14:28	99	sidharth[80%]
101	code/unit test	2.5 d	5/22/2000 9:28	5/24/2000 14:28	100,85	rick[80%]
102	code unit test	2.5 d	4/19/2000 14:28	4/24/2000 9:28	100,86	peter[80%]
103		5 d	3/20/2000 8:00	3/24/2000 17:00		
104	Handheld Login and (User) Timeout	21.25 d	3/13/2000 8:00	4/11/2000 10:00		
105	investigation	8.75 d	3/13/2000 8:00	3/23/2000 15:00		
106	software evaluation / selection	1 d	3/13/2000 8:00	3/13/2000 17:00		cris[50%],AvantGo
107	testing	8.75 d	3/13/2000 8:00	3/23/2000 15:00		cris[80%]
108	design ui navigation	1 d	4/10/2000 10:00	4/11/2000 10:00	89	matt[80%]
109	HandHeld integration/development	7.63 d	3/23/2000 15:00	4/4/2000 11:00		
110	model / design	1.25 d	3/23/2000 15:00	3/24/2000 17:00	105	AvantGo
111	review	1.25 d	3/27/2000 8:00	3/28/2000 10:00	110	AvantGo
112	qa review	1 d	3/28/2000 10:00	3/29/2000 10:00	111	AvantGo
113	code/unit test	3.13 d	3/29/2000 10:00	4/3/2000 11:00	112	rick[80%]
114	delivery test	1 d	4/3/2000 11:00	4/4/2000 11:00	113	rick[80%]
115						
116	Resynchronization Timeout (Stale Data)	30.18 d	3/13/2000 8:00	4/24/2000 9:28		
117	investigation	6.25 d	3/13/2000 8:00	3/21/2000 10:00		
118	Evaluate options	2.5 d	3/13/2000 8:00	3/15/2000 12:00		cris[80%]
119	testing	3.75 d	3/15/2000 13:00	3/21/2000 10:00	118	cris[80%]
120	design ui navigation	3.75 d	4/11/2000 10:00	4/14/2000 17:00	108	matt[80%]
121	HandHeld integration/development	5 d	4/17/2000 9:28	4/24/2000 9:28		
122	design	1.25 d	4/17/2000 9:28	4/18/2000 11:28	95,21	phil[80%]
123	review	1.25 d	4/18/2000 11:28	4/19/2000 14:28	122	phil[80%]
124	qa review	1 d	4/19/2000 14:28	4/20/2000 14:28	123	qa
125	code/unit test	2.5 d	4/19/2000 14:28	4/24/2000 9:28	123	phil[80%]
126						
127	Task Visit Browse/View	16.43 d	4/17/2000 8:00	5/9/2000 11:28		
128	design ui navigation	2.5 d	4/17/2000 8:00	4/19/2000 12:00	120	matt[80%]
129	ui (JSP)	7 d	4/19/2000 13:00	4/28/2000 12:00		
130	design	2.5 d	4/19/2000 13:00	4/21/2000 17:00	128	matt[80%]
131	review	2 d	4/24/2000 8:00	4/25/2000 17:00	130	matt[40%]
132	qa review	2 d	4/24/2000 8:00	4/25/2000 17:00	130	matt[40%]
133	code/unit test	2.5 d	4/26/2000 8:00	4/28/2000 12:00	131,132	matt[80%]
134	session beans	13.75 d	4/19/2000 14:28	5/9/2000 11:28		
135	design	2.5 d	4/19/2000 14:28	4/24/2000 9:28	128,100	sidharth[80%]
136	review	1.25 d	4/24/2000 9:28	4/25/2000 11:28	135	sidharth[80%]
137	code unit test	10 d	4/25/2000 11:28	5/9/2000 11:28	136,102	peter[80%]
138						
139						
140	protocol loader	36.07 d	4/5/2000 14:28	5/25/2000 15:00		
141	protocol application model/design	6.25 d	4/5/2000 14:28	4/14/2000 16:28	61,10	kelly[80%]
142	review	1 d	4/14/2000 16:28	4/17/2000 16:28	141	qa
143	coding	11.25 d	5/4/2000 8:00	5/23/2000 10:00	141,142,73,11	kelly[80%]
144	unit test	2.5 d	5/23/2000 10:00	5/25/2000 15:00	143	kelly[80%]

145						
146	functional freeze	1 d	5/25/2000 15:00	5/26/2000 15:00	15	
147						
148	dev system test	5 d	5/29/2000 8:00	6/2/2000 17:00	146,12	
149	system test	5 d	5/29/2000 8:00	6/2/2000 17:00		sidharth[80%]
150	system test	5 d	5/29/2000 8:00	6/2/2000 17:00	33	matt[80%]
151	qa	2 d	5/29/2000 8:00	5/30/2000 17:00		qa[200%]
152						
153	qa	10 d	6/5/2000 8:00	6/23/2000 17:00	148	
154	bug fixing	10 d	6/5/2000 8:00	6/23/2000 17:00	148	matt[50%]
155	bug fixing	10 d	6/5/2000 8:00	6/23/2000 17:00	148	sidharth[25%]
156	bug fixing	10 d	6/5/2000 8:00	6/23/2000 17:00	101	rick[50%]
157						
158	qa release 1.0a	45.75 d	3/13/2000 8:00	5/15/2000 15:00		
159						
160	Dependencies	27.25 d	3/22/2000 13:00	4/28/2000 15:00		
161	finalized prd	1 d	3/22/2000 13:00	3/23/2000 12:00	169	arian
162	use cases	1 d	3/28/2000 10:00	3/29/2000 10:00	171	arian
163	hardware	1 d	4/27/2000 15:00	4/28/2000 15:00	181	sysa
164	testing tools	1 d	4/20/2000 15:00	4/21/2000 15:00	179	sysa
165						
166	process planning	6 d	3/13/2000 8:00	3/20/2000 17:00		jason,chris
167						
168	review cycle	9.75 d	3/21/2000 8:00	4/3/2000 15:00	166	
169	review prd	1.5 d	3/21/2000 8:00	3/22/2000 12:00		jason,chris
170	review protocol loader design	1.5 d	3/22/2000 13:00	3/23/2000 17:00	169	jason,chris
171	review use cases	2.25 d	3/24/2000 8:00	3/28/2000 10:00	170	jason,chris
172	review bus concept model	2.25 d	3/28/2000 10:00	3/30/2000 12:00	171	jason,chris
173	review qs user interface	2.25 d	3/30/2000 13:00	4/3/2000 15:00	172	jason,chris
174						
175	write/update test cases	7 d	4/3/2000 15:00	4/12/2000 15:00	168	jason,chris
176						
177	prepare test plan	2 d	4/12/2000 15:00	4/14/2000 15:00	175	jason,chris
178						
179	testing tools/reporting process	4 d	4/14/2000 15:00	4/20/2000 15:00	177	jason,chris
180						
181	setup test environment	5 d	4/20/2000 15:00	4/27/2000 15:00	179	jason,chris
182						
183	help with dev system test	2 d	4/27/2000 15:00	5/1/2000 15:00	181	jason,chris
184						
185	execute test plans	10 d	5/1/2000 15:00	5/15/2000 15:00	183	jason,chris
186						

**EXHIBIT N TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)  
MONKEYmedia INVOICES**





MONKEYmedia, INC.

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

## Invoice

FastTrack Systems  
c/o Greg Ernst  
(650) 572-8800 x18  
via fax: (650) 572-8838

DATE: 7/21/2000

INVOICE #: FAST.022

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
July 21, 2000	Project Completion	20,000.00

D.P. + 200

OK to pay,  

TOTAL \$20,000.00

DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS10 434 3889535  
810\*

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

Jul. 17 2000 02:25PM P2



**MONKEYmedia, Inc.**

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

## Invoice

FastTrack Systems  
c/o Greg Ernst  
(650) 572-8800 x18  
via fax: (650) 572-8838

DATE: 6/28/2000

INVOICE #: FAST.021

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
June 5-30, 2000	Pro-rata Monthly retainer	80,000.00
	Credit against deposit #5	

*1/50 (207000000) -26,667.00*  
*2214000000*

**TOTAL**

**\$53,333.00**

*2214000000*

DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS

Tax Payer ID #74-2899535

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

Jul. 17 2000 02:26PM P3



**MONKEYmedia, Inc.**

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

## Invoice

FastTrack Systems  
c/o Greg Ernst  
(650) 572-8800 x18  
via fax: (650) 572-8838

DATE: 6/28/2000

INVOICE #: FAST.020

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
June 22, 2000	Reimbursable Expenses from April 1-June 22, 2000 (see attached breakout)	9,953.25

5205200000

**TOTAL** \$9,953.25

DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS

Tax Payer ID #74-2899535

06/28/00

**MONKEYmedia, Inc.**  
**REIMBURSABLE EXPENSES FOR FastTrack**  
 April through June 2000

DATE PAID	PAID TO	Memo	Amount
04/11/2000	Paulus Trisnadi	03/28/2000 Roy's Taxi	22.00
04/11/2000	Paulus Trisnadi	03/28/2000 Schlotzsky (dinner for flight to San Francisco)	5.35
04/11/2000	Paulus Trisnadi	03/28/2000 Wendy's (breakfast)	5.69
04/11/2000	Paulus Trisnadi	03/29/2000 Chinese (lunch)	6.44
04/13/2000	Freeman, Mark	03/30/00 Breakfast for Mark	3.56
04/13/2000	Freeman, Mark	03/30/00 Dinner for Mark	6.21
04/13/2000	Freeman, Mark	03/30/00 Lunch for Mark	8.95
04/11/2000	Paulus Trisnadi	03/30/2000 Golden Gate Toll Bridge	3.00
04/11/2000	Paulus Trisnadi	03/30/2000 Sam the Butcher (lunch)	6.84
04/11/2000	Paulus Trisnadi	03/30/2000 Yellow Checker Cab	33.00
04/11/2000	Sharon Knippa	03/30/2000 Yellow Checker Cab	25.00
04/19/2000	Zuni's	04/19/00 Dinner for Sharon, Paulus, & Mark during trip to FastTrack	116.13
04/11/2000	American Airlines	04/19/00 FastTrack meeting - Mark	613.00
04/11/2000	American Airlines	04/19/00 FastTrack meeting - Paulus	613.00
04/11/2000	American Airlines	04/19/00 FastTrack meeting - Sharon	613.00
04/19/2000	Holiday Inn Express	04/19/00 Lodging for FastTrack meeting - Mark	115.09
04/19/2000	Holiday Inn Express	04/19/00 Lodging for FastTrack meeting - Paulus	115.95
04/19/2000	Holiday Inn Express	04/19/00 Lodging for FastTrack meeting - Sharon	113.75
04/19/2000	Campus Cafe	04/19/00 Lunch for Sharon, Paulus, Mark during FastTrack trip	13.94
04/19/2000	Avis	04/19/00 Rental Car for FastTrack Meeting	150.72
04/19/2000	Super Shuttle	04/19/00 Shuttle to airport for FastTrack meeting - Sharon	30.00
05/31/2000	Freeman, Mark	04/19/00 Supershuttle to Airport	10.00
04/20/2000	The Good Earth Retr	04/20/00 Meal for Sharon, Mark, and Paulus during FastTrack Trip	29.84
04/26/2000	Sharon Knippa	04/20/00 Taxi Service for Fast Trip	20.00
04/26/2000	Paulus Trisnadi	04/20/2000 Roy's Taxi	33.00
04/14/2000	American Airlines	04/26/00 FastTrack Meeting - Mark	411.00
04/14/2000	American Airlines	04/26/00 FastTrack Meeting - Paulus	411.00
05/03/2000	Yellow Cab	05/03/00 cab for Sharon on return from FastTrack meeting	23.00
04/25/2000	American Airlines	05/03/00 FastTrack meeting - Mark Freeman	613.00
04/25/2000	American Airlines	05/03/00 FastTrack meeting - Paulus Trisnadi	613.00
04/25/2000	American Airlines	05/03/00 FastTrack meeting - Sharon Knippa	613.00
05/03/2000	Campus Cafe	05/03/00 Lunch for Sharon, Paulus, Mark during FastTrack trip	24.02
05/03/2000	Dollar Rental Car	05/03/00 rental car for Fast Track meeting	74.93
05/03/2000	Super Shuttle	05/03/00 Shuttle to airport for FastTrack meeting - Sharon	17.00
05/31/2000	Freeman, Mark	05/03/00 Taxi to Airport	23.00
05/11/2000	American Airlines	05/16/00 FastTrack meeting - Eric Gould	1,085.00
05/11/2000	American Airlines	05/16/00 FastTrack meeting - Mark Freeman	1,557.00
05/11/2000	American Airlines	05/16/00 FastTrack meeting - Paulus	1,557.00
05/31/2000	Freeman, Mark	05/17/00 Taxi to Airport	22.00
05/31/2000	Paulus Trisnadi	05/17/2000 Avis rental	94.11
05/31/2000	Paulus Trisnadi	05/17/2000 Gas	5.48
05/31/2000	Paulus Trisnadi	05/17/2000 Lunch for Mark and Paulus	18.27
05/31/2000	Paulus Trisnadi	05/17/2000 Yellow Checker	50.00
05/10/2000	Paulus Trisnadi	05/3/2000 Roy's Taxi	27.00
<b>TOTAL REIMBURSABLE EXPENSES</b>			<b><u>9,953.25</u></b>

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

Jun. 08 2000 04:28PM P2



**MONKEYmedia, Inc.**

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

## Invoice

FastTrack Systems  
c/o Greg Ernst  
(650) 572-8800 x18  
via fax: (650) 572-8838

DATE: 6/8/2000

INVOICE #: FAST.019

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
May 8 - June 2, 2000	Pro-rata Monthly retainer	80,000.00
	Credit against deposit #5	-26,667.00

*APC # 522520000*

**TOTAL** \$53,333.00

DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS

Tax Payer ID #74-2899535

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

May. 10 2000 08:37AM P2



MONKEYmedia, Inc.

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

## Invoice

FastTrack Systems  
c/o Greg Ernst  
(650) 572-8800 x18  
via fax: (650) 572-8838

DATE: 5/5/2000

INVOICE #: FAST.018

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
April 3 thru May 5, 2000	Pro-rata monthly retainer	80,000.00
	Credit against deposit #5	-26,667.00

**TOTAL** \$53,333.00

*\$2240 for*

DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS

Tax Payer ID #74-2899535

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

Mar. 31 2000 06:15AM P3

**MONKEYmedia, Inc.**

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

**Invoice**

FastTrack Systems  
c/o Greg Ernst  
(650) 572-8800 x18  
via fax: (650) 572-8838

DATE:

3/31/2000

INVOICE #:

FAST.017

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
March 31, 2000	Reimbursable Expenses from January 1-March 31, 2000 (see attached breakout)	16,930.57

**TOTAL**

**\$16,930.57**

DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS

Tax Payer ID #74-2899535

3/20/00

**MONKEYmedia, Inc.**  
**Reimbursable Expense for FastTrack**  
 January through March 2000

Date	Name	Memo	Amount
01/11/002000	American Airlines	Airfare Ticket for Eric Gould (1/11/2000 trip)	605.00
01/11/002000	American Airlines	Airfare Ticket for Emilia Crowell (1/11/2000 trip)	605.00
01/11/002000	American Airlines	Airfare Ticket for Mark Freeman (1/11/2000 trip)	605.00
01/11/002000	American Airlines	Airfare Ticket for Paulus Trisnadi (01/11/2000 trip)	605.00
01/20/2000	Emilia Crowell	Paulus, Mark and Emilia Trip on 1/19/2000	1615.00
01/27/2000	Eric J Gould	Rental Car for 1/13/2000 meeting	42.18
02/11/2000	Eric J Gould	Rental Car on 1/13/2000	64.95
03/01/2000	American Airlines	Airfare Ticket for Paulus Trisnadi (02/15/2000 trip)	6.00
03/01/2000	Paulus Trisnadi	Cab fare (02/15/2000 trip)	1086.00
03/01/2000	Paulus Trisnadi	Dinner: (02/15/2000 trip)	33.00
03/01/2000	Paulus Trisnadi	Holiday Inn (02/15/2000 trip)	11.00
03/01/2000	Paulus Trisnadi	Breakfast (02/15/2000 trip)	153.95
03/01/2000	Paulus Trisnadi	Gas (02/15/2000 trip)	9.62
03/01/2000	Paulus Trisnadi	Rental Car (02/15/2000 trip)	5.30
03/01/2000	Paulus Trisnadi	Cab (02/15/2000 trip)	129.92
03/01/2000	Paulus Trisnadi	Cab fare (02/15/2000 trip)	33.00
03/01/2000	Paulus Trisnadi	Lunch (03/15/2000 trip)	33.00
03/01/2000	Paulus Trisnadi	Dinner for Mark and Paulus (03/15/2000 trip)	7.64
03/01/2000	Paulus Trisnadi	Western San Francisco for Mark and Paulus (03/15/2000 trip)	45.10
03/01/2000	Paulus Trisnadi	Breakfast for Mark and Paulus (03/15/2000 trip)	439.80
03/01/2000	Paulus Trisnadi	Lunch (03/15/2000 trip)	46.10
03/01/2000	Paulus Trisnadi	Gas for Rental Car (03/15/2000 trip)	7.89
03/01/2000	Paulus Trisnadi	Avis Rental Car (03/15/2000 trip)	8.78
03/01/2000	Paulus Trisnadi	Taxi (03/15/2000 trip)	133.07
03/22/2000	Countryyard Marriott	Lodging for Sharon Knappa	33.00
03/22/2000	Countryyard Marriott	Lodging for Paulus Trisnadi	346.55
03/22/2000	Countryyard Marriott	Lodging for Mark Freeman	347.73
03/22/2000	Countryyard Marriott	Dinner for Eric (03/22/2000 trip)	346.85
03/22/2000	Countryyard Marriott	Breakfast for Eric, Sharon, Paulus, Mark F (03/22/2000 trip)	6.34
03/22/2000	Countryyard Marriott	Airfare Ticket for Paulus Trisnadi (03/22/2000 trip)	49.90
03/22/2000	Countryyard Marriott	Airfare Ticket for Sharon Knappa (03/22/2000 trip)	1859.00
03/22/2000	Countryyard Marriott	Airfare Ticket for Mark Freeman (03/22/2000 trip)	1859.00
03/22/2000	Countryyard Marriott	Taxi (03/22-23/2000 trip)	1659.00
03/22/2000	Countryyard Marriott	Taxi (03/22-23/2000 trip)	30.00
03/22/2000	Countryyard Marriott	Campus Cate Lunch (03/22-23/2000 trip)	25.00
03/22/2000	Countryyard Marriott		8.75



3450100

MONKEYmedia, Inc.  
Reimbursable Expense for FastTrack  
January through March 2000

Date	Name	Memo	Amount
03/28/2000	Freeman, Mark	Taxi (03/22-23/2K trip)	22.00
03/28/2000	Freeman, Mark	Sam the Butcher (03/22-23/2K trip)	7.95
03/28/2000	Freeman, Mark	Sam the Butcher (03/22-23/2K trip)	8.95
03/28/2000	Freeman, Mark	FastFood (03/22-23/2K trip)	2.13
03/28/2000	Krippa, Sharon D	Air Rental (03/22-23/2K trip)	120.29
03/28/2000	Krippa, Sharon D	Half Day Cab (breakfast for 3) (03/22-23/2K trip)	36.69
03/28/2000	Krippa, Sharon D	Chaucon (gas) (03/22-23/2K trip)	5.38
03/28/2000	Krippa, Sharon D	Austin Cab Co. (03/22-23/2K trip)	15.00
03/28/2000	Krippa, Sharon D	Sam the Butcher (03/22-23/2K trip)	5.20
03/28/2000	Paulus Tishnad	Roy's Taxi (03/22-23/2K trip)	22.00
03/28/2000	Paulus Tishnad	Sail Lick BBQ (03/22-23/2K trip)	8.00
03/28/2000	Paulus Tishnad	Sam the Butcher (03/22-23/2K trip)	7.00
03/28/2000	Paulus Tishnad	Dinner for 3 @ Horizon (03/22-23/2K trip)	80.80
03/28/2000	Paulus Tishnad	Sam the Butcher (03/22-23/2K trip)	5.95
03/28/2000	Paulus Tishnad	Golden Gate Toll (03/22-23/2K trip)	3.00
03/28/2000	Paulus Tishnad	T4 Steak Dinner (03/22-23/2K trip)	7.90
03/28/2000	Paulus Tishnad	Roy's Taxi (03/22-23/2K trip)	34.00
03/28/2000	Eric J Gould	Tell on Golden Gate Bridge (cash) (03/22-23/2K trip)	3.00
03/28/2000	Eric J Gould	AA ticket for Sharon Krippa for 3/21-22 mtg	1083.00
03/28/2000	Eric J Gould	AA ticket for Paulus Tishnad for 3/21-22 mtg	1083.00
03/28/2000	Eric J Gould	AA ticket for Mark Freeman for 3/21-22 mtg	1083.00
			16,930.57


AL

FROM : MONKEYmedia

PHONE NO. : 512 440 1850

Mar. 31 2000 06:16:44 PM

MONKEYmedia

 FAX

TO: Joe/Ernst  
Fast Track

voice: (650) 572-8800 x18

fax: (650) 572-8838

FROM: Prince

voice: (512) 440-8000 X13

fax: (512) 440-1050

total pages: 5 (including this cover)

Copy of receipts to follow  
next week

Please note that the information contained in this facsimile message is confidential and intended only for the recipient named above. You are hereby notified that any dissemination, distribution, or copying of this communication other than by the intended recipient is strictly prohibited. If you have received this communication in error, please immediately notify us by telephone and return the original message to us at the below address by U.S. Postal service. Thank you.

MONKEYmedia · 611 South Congress Avenue, Ste 310 · Austin, TX 78704 · [www.monkey.com](http://www.monkey.com)

## MONKEYmedia, Inc.

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

## Invoice

FastTrack Systems  
c/o Greg Ernst  
(650) 572-8800 x18  
via fax: (650) 572-8838

DATE: 3/31/2000

INVOICE #: FAST.0016

DATE	DESCRIPTION	AMOUNT
February 16-29, 2000	Pro-Rata monthly retainer	39,000.00
March 1-31, 2000	Pro-Rata monthly retainer	80,000.00
	Credit against deposit #4	-13,000.00
	Credit against deposit #5	-26,667.00
		\$1,207

TOTAL \$79,333.00

DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS

Tax Payer ID #74-2899535

**MONKEYmedia, Inc.**611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000**Invoice**FastTrack Systems  
Attn: Greg Ernst  
(650) 572-8800 x118  
Via fax: (650) 572-8838

DATE: 2/28/2000

INVOICE #: FAST.013a

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
January 1, 2000 - February 15, 2000	Pro-rata monthly retainer	117,000
	Credit against deposit	-39,000 <sup>it</sup> 1207

*Sophia - Please verify  
that this has not already  
been paid. If not, OK  
to pay.*

*Greg*

**TOTAL** \$ 78,000 <sup>512,000</sup>

DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS

Tax Payer ID #74-2899535



MONKEYmedia, Inc.

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

## Invoice

FastTrack Systems  
c/o Michael Mischke-Reed  
via fax: 1/415/333-2975

DATE: 2/9/2000

INVOICE #: FAST.015

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
February 8, 2000	Retainer for Project Assignment #5	106,000.00

OK to pay,

2/23/00

TOTAL \$106,000.00

DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS

\$ 107,000.

(512-200)

Tax Payer ID #74-2899535

# **ATTACHMENT A** **MONKEYMEDIA PROJECT ASSIGNMENT #5** **(Product Suite)**

**PROJECT START DATE**  
March 1, 2000

**ESTIMATED END DATE**  
June 30, 2000

This Project Assignment is an attachment to the Design & Development Agreement between FastTrack Systems and MONKEYmedia, Inc. effective June 1, 1999.

## **WORK SCOPE**

In collaboration with FastTrack Systems, MONKEYmedia will provide usability analysis, interactive concepting, prototype development, interface design, and product development for FastTrack's clinical trials software suite. Based on prototypes produced by MONKEYmedia under Project Assignments #1, #2, and #3 as well as contextual inquiry performed by FastTrack prior to or concurrent with Project Assignment #4, MONKEYmedia will provide task usability analysis, functional design, product specification, prototype production, usability testing, and product front-end development. Specific areas of expertise and added value MONKEYmedia may bring to the overall design process include:

- User assessment & target audience interviews
- Task / flow analysis & contextual inquiry
- Evaluation of prior art and refinement of new integrated and scalable models
- Thorough design documentation & design-to-production & engineering mentoring support
- Architectural maps, storyboards, and layout sketches
- Screen visualizations, graphic/aural treatments, and mock-ups
- Development of templates, guidelines, interactive prototypes, & final product software
- Coordination of focus groups, user testing, & audience response studies
- Other process refinements

MONKEYmedia's team will work closely with Michael Mischke-Reeds, FastTrack, and FastTrack vendors to ensure that we collectively maintain a consistent and compatible vision; coordinating technical feasibility issues with marketing requirements and usability needs in a manner both timely and cost effective.

## **MILESTONES & DELIVERABLES**

Following are rough initial milestones and deliverables. Note that timely and accurate completion of these deliverables depends heavily upon both Mischke-Reeds', FastTrack's, and FastTrack vendors' participation -- we expect FastTrack and Circolo-Budds Consulting to together provide marketing and usage requirements; Concept 5 to provide use case models, back-end server code, synchronization code, and code for certain front-end functionality; and MONKEYmedia to provide navigational architecture maps, functional specifications, and produce front-end GUI design guidelines and screen templates.

### **ESTIMATED DEVELOPMENT SCHEDULE** *(sans refined and frozen product requirements from FastTrack)*

1.	<u>Version 1.0 Functional Specification</u>	<u>January 20 - March 7, 2000</u>
2.	<u>Version 1.0 Interface Production</u>	<u>February 28 - April 10, 2000</u>
3.	<u>Version 1.0 Usability Testing</u>	<u>March 15 - April 17, 2000</u>
4.	<u>Version 1.5 Functional Specification</u>	<u>February 28 - May 10, 2000</u>
5.	<u>Version 1.5 Interface Production</u>	<u>May 11 - August 1, 2000</u>
6.	<u>Version 1.5 Usability Testing</u>	<u>July 17 - August 8, 2000</u>

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

Dec. 23 1999 06:39AM P2



MONKEYmedia, Inc.

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

## Invoice

FastTrack Systems  
c/o Michael Mischke-Reed  
via fax: 1/415/333-2975

DATE: 12/24/1999

INVOICE #: FAST.012

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
December 24, 1999	Design Analysis & Feasibility Testing	
	Paulus Trishadi - 145 hours @ \$125	18,125.00
	Mark Freeman - 183 hours @ \$125	22,875.00
	Eric Gould - 70 hours @ \$200	14,000.00
	SUBTOTAL	\$55,000.00
	Credit for Remaining Retainer Fee	-16,321.00 ✓

**TOTAL** **\$38,679.00**

*OK to pay,*  
*[Signature]*

DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS

Tax Payer ID #74-2899535

5205-200

**MONKEYmedia, Inc.**611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000**Invoice**FastTrack Systems  
c/o Michael Mischke-Reed  
via fax: 1/415/333-2975

DATE: 12/22/1999

INVOICE #: FAST.011

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
December 21, 1999	Reimbursable Expenses for SPEED	
	TRAVEL	3,195.32
	12/09/99 American Airlines for Paulus Trisnadi	\$598.59
	12/09/99 American Airlines for Mark Freeman	\$598.59
	12/09/99 Avis Rental	\$ 73.90
	12/09/99 Chevron Gas	\$ 2.19
	12/09/99 Roy's Taxi	\$ 16.00
	12/17/99 American Airlines for Eric Gould	\$598.59
	12/17/99 American Airlines for Paulus Trisnadi	\$598.59
	12/17/99 American Airlines for Mark Freeman	\$598.59
	12/17/99 Austin Bergstrom Airport Parking	\$18.00
	12/17/99 Avis Rental	\$ 92.28
	<b>TOTAL</b>	<b>\$3,195.32</b>

DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS

Tax Payer ID #74-2899535

OK to pay,

5205-200



ISSUED BY: American Airlines		PASSENGER TICKET AND BAGGAGE CHECK		ISSUED BY: American Airlines	
NOT TRANSFERABLE		SUBJECT TO CONDITIONS OF CARRIAGE ON REVERSE SIDE		PASSENGER TICKET AND BAGGAGE CHECK	
ETKT		ETKT		PASSENGER AND BOARDING PASS	
FLIGHT COUPON: 1-2		FLIGHT COUPON: 1-2		FLIGHT COUPON: 1-2	
NAME OF PASSENGER: GOULD/ERIC		NAME OF PASSENGER: GOULD/ERIC		NAME OF PASSENGER: GOULD/ERIC	
AUSTIN		AUSTIN		AUSTIN	
SAN JOSE		SAN JOSE		SAN JOSE	
CA		CA		CA	
FP TBM*IK5588329000004582*10/01*006374* / FCAUS AA S		FP TBM*IK5588329000004582*10/01*006374* / FCAUS AA S		FP TBM*IK5588329000004582*10/01*006374* / FCAUS AA S	
JC273.49 AA AUS273.49KR26D 546.98 END ZPAUSSJC XFAU		JC273.49 AA AUS273.49KR26D 546.98 END ZPAUSSJC XFAU		JC273.49 AA AUS273.49KR26D 546.98 END ZPAUSSJC XFAU	
S3SJC3		S3SJC3		S3SJC3	
TAXES: XF 6.00		TAXES: XF 6.00		TAXES: XF 6.00	
USD 546.98		USD 546.98		USD 546.98	
US 41.02		US 41.02		US 41.02	
ZP 4.50		ZP 4.50		ZP 4.50	
USD 598.50		USD 598.50		USD 598.50	
0214972447 4		0214972447 4		0214972447 4	
1 001 2126434650 4		1 001 2126434650 4		1 001 2126434650 4	
001/C1D		001/C1D		001/C1D	
CHECK-IN REQUIRED		CHECK-IN REQUIRED		CHECK-IN REQUIRED	

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ETKT		ETKT		PASSENGER AND BOARDING PASS	
FLIGHT COUPON: 1-2		FLIGHT COUPON: 1-2		FLIGHT COUPON: 1-2	
NAME OF PASSENGER: TRISNADI/PAULUS		NAME OF PASSENGER: TRISNADI/PAULUS		NAME OF PASSENGER: TRISNADI/PAULUS	
AUSTIN		AUSTIN		AUSTIN	
SAN JOSE		SAN JOSE		SAN JOSE	
CA		CA		CA	
FP TBM*IK5588329000004582*10/01*006374* / FCAUS AA S		FP TBM*IK5588329000004582*10/01*006374* / FCAUS AA S		FP TBM*IK5588329000004582*10/01*006374* / FCAUS AA S	
JC273.49 AA AUS273.49KR26D 546.98 END ZPAUSSJC XFAU		JC273.49 AA AUS273.49KR26D 546.98 END ZPAUSSJC XFAU		JC273.49 AA AUS273.49KR26D 546.98 END ZPAUSSJC XFAU	
S3SJC3		S3SJC3		S3SJC3	
TAXES: XF 6.00		TAXES: XF 6.00		TAXES: XF 6.00	
USD 546.98		USD 546.98		USD 546.98	
US 41.02		US 41.02		US 41.02	
ZP 4.50		ZP 4.50		ZP 4.50	
USD 598.50		USD 598.50		USD 598.50	
0214972453 3		0214972453 3		0214972453 3	
1 001 2126434652 6		1 001 2126434652 6		1 001 2126434652 6	
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CHECK-IN REQUIRED		CHECK-IN REQUIRED		CHECK-IN REQUIRED	

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NOT TRANSFERABLE		SUBJECT TO CONDITIONS OF CARRIAGE ON REVERSE SIDE		PASSENGER TICKET AND BAGGAGE CHECK	
ETKT		ETKT		PASSENGER AND BOARDING PASS	
FLIGHT COUPON: 1-2		FLIGHT COUPON: 1-2		FLIGHT COUPON: 1-2	
NAME OF PASSENGER: FREEMAN/MARK		NAME OF PASSENGER: FREEMAN/MARK		NAME OF PASSENGER: FREEMAN/MARK	
AUSTIN		AUSTIN		AUSTIN	
SAN JOSE		SAN JOSE		SAN JOSE	
CA		CA		CA	
FP TBM*IK5588329000004582*10/01*006374* / FCAUS AA S		FP TBM*IK5588329000004582*10/01*006374* / FCAUS AA S		FP TBM*IK5588329000004582*10/01*006374* / FCAUS AA S	
JC273.49 AA AUS273.49KR26D 546.98 END ZPAUSSJC XFAU		JC273.49 AA AUS273.49KR26D 546.98 END ZPAUSSJC XFAU		JC273.49 AA AUS273.49KR26D 546.98 END ZPAUSSJC XFAU	
S3SJC3		S3SJC3		S3SJC3	
TAXES: XF 6.00		TAXES: XF 6.00		TAXES: XF 6.00	
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US 41.02		US 41.02		US 41.02	
ZP 4.50		ZP 4.50		ZP 4.50	
USD 598.50		USD 598.50		USD 598.50	
0214972450 0		0214972450 0		0214972450 0	
1 001 2126434651 5		1 001 2126434651 5		1 001 2126434651 5	
001/C1D		001/C1D		001/C1D	
CHECK-IN REQUIRED		CHECK-IN REQUIRED		CHECK-IN REQUIRED	



ROY'S TAXI, INC.

482-0000

## CASH RECEIPT

CAB # 117 DATE 12/10/99  
 FARE \$ \$16  
 DRIVER'S NAME [Signature]  
 TRIP FROM Airport  
 TO \_\_\_\_\_

**AVIS.**

We try harder®

## TRANSACTION RECORD

RENTAL NUMBER CAR NUMBER CAR GROUP

160283966 6015295 W  
 TRISNADI, P  
 WIZ= P6A61T AWD= L307238  
 CV CM5411176248613549

FTN# AD39CK966 3A  
 OUT SJC 09DEC99/0902 MI-13401  
 IN SJC 09DEC99/1709 MI-13473  
 72 MI@ .35=

8 HR@ 19.67=  
 DY@ 59.00=  
 MINIMUM CHARGE = 59.00  
 DISCOUNT .0 =  
 ONE WAY FEE/MISC=  
 FUEL SERVICE =  
 TAXABLE SUBTOT = 59.00

TAX 8.250% = 4.87  
 \*\*VLF FEE = 1.08  
 LDW =  
 PAI/PEP/ALI CHG = 8.95  
 TOTAL CHARGES = 73.90  
 \*\*VEH LICENSE FEE \$1.08/DY

CHEURON  
 12/09/99 16:00  
 LAURELWOOD CHEURON  
 1350 W. HILLSDALE BL.  
 SAN MATEO CA  
 STH 80895716  
 UISA  
 XXXXXXXXXXXX3001

Invoice 1620238  
 Auth 866734  
 Pump # 6  
 1.336 G @ \$ 1.619  
 ResU/Self \$ 2.16  
 Total \$ 2.16

NEW TOY CARS  
 ARE AVAILABLE INSIDE

Thank you for renting from Avis.  
 We value your business. Have a safe trip.

FROM : MONKEYmed i a

PHONE NO. : 512 440 1050

Dec. 23 1999 06:41AM P6

ISSUED BY: American Airlines		PASSENGER TICKET AND BAGGAGE CHECK		ISSUED BY: American Airlines	
NOT TRANSFERABLE		SUBJECT TO CONDITIONS OF CONTRACT ON REVERSE SIDE		PASSENGER TICKET AND BAGGAGE CHECK	
ETKT		ETKT		ETKT	
FLIGHT COUPON		TOUR CODE		FLIGHT COUPON	
1 OF 2		2126434637		1 OF 2	
NAME OF PASSENGER		NAME OF PASSENGER		NAME OF PASSENGER	
GOULD/ERIC		GOULD/ERIC		GOULD/ERIC	
FROM		FROM		FROM	
AUSTIN		AUSTIN		AUSTIN	
TO		TO		TO	
O SAN JOSE		O SAN JOSE		O SAN JOSE	
CA		CA		CA	
FARE BASIS		FARE BASIS		FARE BASIS	
AA 1881 K 17DEC700A OK		AA 1881 K 17DEC700A OK		AA 1881 K 17DEC700A OK	
END ZPAUSSJC XFAU		END ZPAUSSJC XFAU		END ZPAUSSJC XFAU	
S3SJC3		S3SJC3		S3SJC3	
TAXES		TAXES		TAXES	
XP 6.00		XP 6.00		XP 6.00	
USD 546.98		USD 546.98		USD 546.98	
US 41.02		US 41.02		US 41.02	
ZP 4.50		ZP 4.50		ZP 4.50	
USD 592.50		USD 592.50		USD 592.50	
0214973490 4		0214973490 4		0214973490 4	
1 001 2126434637 5		1 001 2126434637 5		1 001 2126434637 5	
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CHECK-IN REQUIRED		CHECK-IN REQUIRED		CHECK-IN REQUIRED	

ISSUED BY: American Airlines		PASSENGER TICKET AND BAGGAGE CHECK		ISSUED BY: American Airlines	
NOT TRANSFERABLE		SUBJECT TO CONDITIONS OF CONTRACT ON REVERSE SIDE		PASSENGER TICKET AND BAGGAGE CHECK	
ETKT		ETKT		ETKT	
FLIGHT COUPON		TOUR CODE		FLIGHT COUPON	
1 OF 2		2126434639		1 OF 2	
NAME OF PASSENGER		NAME OF PASSENGER		NAME OF PASSENGER	
TRISNADI/PAULUS		TRISNADI/PAULUS		TRISNADI/PAULUS	
FROM		FROM		FROM	
AUSTIN		AUSTIN		AUSTIN	
TO		TO		TO	
O SAN JOSE		O SAN JOSE		O SAN JOSE	
CA		CA		CA	
FARE BASIS		FARE BASIS		FARE BASIS	
AA 1881 K 17DEC700A OK		AA 1881 K 17DEC700A OK		AA 1881 K 17DEC700A OK	
END ZPAUSSJC XFAU		END ZPAUSSJC XFAU		END ZPAUSSJC XFAU	
S3SJC3		S3SJC3		S3SJC3	
TAXES		TAXES		TAXES	
XP 6.00		XP 6.00		XP 6.00	
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US 41.02		US 41.02		US 41.02	
ZP 4.50		ZP 4.50		ZP 4.50	
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001/CIC		001/CIC		001/CIC	
CHECK-IN REQUIRED		CHECK-IN REQUIRED		CHECK-IN REQUIRED	

ISSUED BY: American Airlines		PASSENGER TICKET AND BAGGAGE CHECK		ISSUED BY: American Airlines	
NOT TRANSFERABLE		SUBJECT TO CONDITIONS OF CONTRACT ON REVERSE SIDE		PASSENGER TICKET AND BAGGAGE CHECK	
ETKT		ETKT		ETKT	
FLIGHT COUPON		TOUR CODE		FLIGHT COUPON	
1 OF 2		2126434638		1 OF 2	
NAME OF PASSENGER		NAME OF PASSENGER		NAME OF PASSENGER	
FREEMAN/MARK		FREEMAN/MARK		FREEMAN/MARK	
FROM		FROM		FROM	
AUSTIN		AUSTIN		AUSTIN	
TO		TO		TO	
O SAN JOSE		O SAN JOSE		O SAN JOSE	
CA		CA		CA	
FARE BASIS		FARE BASIS		FARE BASIS	
AA 1881 K 17DEC700A OK		AA 1881 K 17DEC700A OK		AA 1881 K 17DEC700A OK	
END ZPAUSSJC XFAU		END ZPAUSSJC XFAU		END ZPAUSSJC XFAU	
S3SJC3		S3SJC3		S3SJC3	
TAXES		TAXES		TAXES	
XP 6.00		XP 6.00		XP 6.00	
USD 546.98		USD 546.98		USD 546.98	
US 41.02		US 41.02		US 41.02	
ZP 4.50		ZP 4.50		ZP 4.50	
USD 592.50		USD 592.50		USD 592.50	
0214973493 0		0214973493 0		0214973493 0	
1 001 2126434638 6		1 001 2126434638 6		1 001 2126434638 6	
001/CIC		001/CIC		001/CIC	
CHECK-IN REQUIRED		CHECK-IN REQUIRED		CHECK-IN REQUIRED	

**AVIS** We try harder<sup>®</sup>

## TRANSACTION RECORD

RENTAL NUMBER CAR NUMBER CAR GROUP

160341086 6040871 W  
GOULD, ERIC  
WIZ= EQ528T AWD= L307238  
CV CX4271382496032547

FTN# AD39CK966 3A  
OUT SJC 17DEC99/0856 MI-13656  
IN SJC 17DEC99/1615 MI-13767  
111 MI@ .35-

7 HR@ 19.67=  
DY@ 59.00=  
MINIMUM CHARGE = 59.00  
DISCOUNT .0 =  
ONE WAY FEE/MISC =  
FUEL SERVICE = 25.25  
TAXABLE SUBTOT = 84.25

TAX 8.250% = 6.95  
\*\*VLF FEE = 1.08  
LDW =  
TOTAL CHARGES = 92.28  
\*\*VEH LICENSE FEES 1.08/DY

AUSTIN BERGSTROM  
INTERNATIONAL AIRPORT

Card Account # : 4271382496032547  
Card Expiration Date : 08/02  
Card Type : VISA  
Authorization Code : 238408  
Bank Sequence Number : 00000227

Entrance: 08:16 12/17/99 Lane # 03  
Exit : 22:38 12/17/99 Lane # 58  
Length of stay: 0 d. 18 h. 23 mn.  
License Plate : TX VHR27Y  
Cashier: 157 Shift: 0075 SEQ# 14520

Transaction Amount: \$ 18.00

Thank you for renting from Avis.  
We value your business. Have a safe trip.



MONKEYmedia, Inc.

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

## Invoice

FastTrack Systems  
c/o Michael Mischke-Reed  
via fax: 1/413/333-2975

DATE: 12/10/1999

INVOICE #: FAST.010

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
December 10, 1999	Retainer for Project Assignment #4	\$2,000.00

OK to pay  
*[Signature]*

---

**TOTAL** \$52,000.00DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS

1275-000 prepaid other

Q1 2000 interest

Tax Payer ID #74-2899535

## ATTACHMENT A

### MONKEYMEDIA PROJECT ASSIGNMENT #4 (Product Suite)

**PROJECT START DATE**  
January 1, 2000

**ESTIMATED END DATE**  
March 1, 2000

This Project Assignment is an attachment to the Design & Development Agreement between FastTrack Systems and MONKEYmedia, Inc. effective June 1, 1999.

#### WORK SCOPE

In collaboration with FastTrack Systems, MONKEYmedia will provide usability analysis, interactive concepting, prototype development, interface design, and product development for FastTrack's clinical trials software suite. Based on prototypes produced by MONKEYmedia under Project Assignments #1, #2, and #3 as well as contextual inquiry performed by FastTrack prior to or concurrent with this Project Assignment #4, MONKEYmedia will provide task usability analysis, functional design, product specification, prototype production, usability testing, and product front-end development. Specific areas of expertise and added value MONKEYmedia may bring to the overall design process include:

- User assessment & target audience interviews
- Task / flow analysis & contextual inquiry
- Evaluation of prior art and refinement of new integrated and scalable models
- Thorough design documentation & design-to-production & engineering mentoring support
- Architectural maps, storyboards, and layout sketches
- Screen visualizations, graphic/aural treatments, and mock-ups
- Development of templates, guidelines, interactive prototypes, & final product software
- Coordination of focus groups, user testing, & audience response studies
- Other process refinements

MONKEYmedia's team will work closely with Michael Mischke-Reeds, FastTrack, and FastTrack vendors to ensure that we collectively maintain a consistent and compatible vision; coordinating technical feasibility issues with marketing requirements and usability needs in a manner both timely and cost effective.

#### MILESTONES & DELIVERABLES

Following are rough initial milestones and deliverables. Note that timely and accurate completion of these deliverables depends heavily upon both Mischke-Reeds', FastTrack's, and FastTrack vendors' participation -- we expect FastTrack and Ciraclo-Budds Consulting to together provide marketing and usage requirements; Concept 5 to provide use case models, back-end server code, synchronization code, and code for certain front-end functionality; and MONKEYmedia to provide navigational architecture maps, functional specifications, and produce front-end GUI design guidelines and screen templates.

#### ESTIMATED DEVELOPMENT SCHEDULE

1. Revision "0.5" Development late February, 2000  
(bare minimum functionality to begin entering information)
  - Authoring tools
  - Site Setup
  - Trial Setup
2. Revision "1.0" Development March, 2000
  - Handheld Task Management
  - Handheld Accrual (w/out patient identifiers or persistence)
  - Clinical Coordinator Dashboard
  - Sponsor Dashboard

**MONKEYMEDIA/FASTTRACK PROJECT ASSIGNMENT #3 (cont'd)****COMPENSATION**

Based on our initial understanding of program needs, we estimated the project to cost at least \$156,000. Due to open business decisions, as well as the broad scale of and loosely defined program requirements, however, MONKEYmedia cannot commit to that dollar amount without fully engaging a research and analysis phase to better define the scope of the remainder of the program. And as this Project Assignment does not contemplate such an exploratory phase, FastTrack and MONKEYmedia will communicate regularly to refine an estimated schedule and budget over the course of the work.

Hourly rates payable by FastTrack Systems under this Project Assignment for the following types of personnel (and the initially estimated time to be expended by such personnel under this Project Assignment) shall be as follows:

TITLE / ROLE	HRLY RATE	MIN. ALLOC.	DURATION	MIN FEES
Sr. Creative Dir. (E. Gould)	\$ 300	0.85 FTE	1 (of 2)	\$ 60,000
Sr. Interface Design & Coord.	\$ 200		Months	
Interface Design & Doc.	\$ 150	2.00 FTE	1 (of 2)	\$ 96,000
Interface Eng. & Production	\$ 150		Months	

MONKEYmedia shall use commercially reasonable efforts to make available personnel in the categories and for the approximate time requirements set forth in the preceding table, provided that MONKEYmedia shall have no obligation to make such personnel available in the event that FastTrack has not provided to MONKEYmedia any funds or materials required in connection with this Project Assignment or is otherwise in default under the Agreement.

FastTrack and MONKEYmedia will closely monitor and hone the collaboration to ensure success, providing a concrete checkpoint after completion of the Functional Specification to refine and concretize an estimated schedule, budget, milestones and deliverables for the completion of each deployment revision.

FastTrack shall deliver to MONKEYmedia, simultaneously with the execution of this Project Assignment, an initial payment of 1/3 of minimum fees in the sum of Fifty Two Thousand and No/100 Dollars (\$52,000.00) (the "Deposit"). Subsequently, MONKEYmedia will invoice FastTrack for fees and expenses for this project, crediting 1/3 of such fees against the outstanding balance of that deposit.

**EXPENSES**

MONKEYmedia shall be reimbursed for all out-of-pocket travel and production expenses incurred in connection with the performance of services under this Project Assignment, including but not limited to airfare, car, hotel, dining, freight, copying charges, electronic media, books, software, hardware, and telecommunications / networking.

**OTHER TERMS**

MONKEYmedia's ability to meet specific milestones may be dependent upon delivery to MONKEYmedia of certain information, media, equipment, references, and support. MONKEYmedia shall not be held responsible for either deliverables dependent upon such support or refunds of prepayment towards such deliverables if FastTrack, FastTrack's representatives, or any of FastTrack's vendors or associates fail to deliver that support in a timely manner.

MONKEYMEDIA, INC.

FASTTRACK SYSTEMS

By Eric Justin Gould 12-18-1999  
Date  
ERIC JUSTIN GOULD, C.E.O.  
Printed Name & Title

By VP Technology 12/18/99  
Date  
VP Technology  
Printed Name & Title

Nov 24 99 12:18p

M. Mischke Reeds

415-333 2975

p.2

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

Nov. 24 1999 12:31PM P2



MONKEYmedia, Inc.

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

## Invoice

FastTrack Systems  
c/o Michael Mischke-Reed  
via fax: 1/415/333-2975

DATE: 11/24/1999

INVOICE #: FAST.009

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
Sept. 22 - Nov. 19, 1999	Design Analysis & Fessibility Testing	
	Paulus Trisnadi - 247 hours @ \$125	31,078.00
	Mark Freeman - 243 hours @ \$125	30,375.00
	Nick West - 2 hour @ \$200	400.00
	Eric Gould - 148 hours @ \$200	29,600.00
		91,453.00
	Credit Against Retainer Fee	-30,179.00

**TOTAL** \$61,274.00

*OK to pay,  
Michael Mischke*

DUE UPON RECEIPT.  
PLEASE REMIT TO ABOVE ADDRESS

Tax Payer ID #74-2899535

5205-200





MONKEYmedia, Inc.

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

**Invoice**

FastTrack Systems  
c/o Michael Mischke-Reed  
via fax: 1/415/333-2975

DATE: 12/1/1999

INVOICE #: FAST.008

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
November 24, 1999	Reimbursable Expenses for SPEED	
	TRAVEL	3,704.76
	11/02/99 American Airlines for Eric Gould	\$598.59
	11/02/99 American Airlines for Paulus Trisnadi	\$598.59
	11/02/99 American Airlines for Mark Freeman	\$598.59
	11/2/99 Austin Bergstrom Airport Parking	\$6.00
	11/16/99 American Airlines for Eric Gould	\$598.59
	11/16/99 American Airlines for Paulus Trisnadi	\$598.59
	11/16/99 American Airlines for Mark Freeman	\$598.59
	11/9/99 Austin Bergstrom Airport Parking	\$3.00
	11/16/99 Hertz Rental	\$ 86.76
	11/16/99 Austin Bergstrom Airport Parking	\$ 18.00

OK to pay,  
*Michael Mischke-Reed*

DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS

TOTAL \$3,704.76

Tax Payer ID #74-2899535

5205-200

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

Dec. 06 1999 05:46PM P3

AUSTIN L. JSTROM  
INTERNATIONAL AIRPORT  
Card Account # : 5508320000191024  
Card Expiration Date : 10/01  
Card Type : MASTER CARD  
Authorization Code : 004426  
Bank Sequence Number : 00001328  
  
Entrance: 22:45 11/01/99 Lane # 00  
Exit : 22:45 11/02/99 Lane # 43  
Length of stay: 1 d. 00 h. 00 mn.  
License Plate : TX LT095F  
Cashier: 150 Shift: 0232 SEQ# 24074  
  
Transaction Amount: \$ 8.00

SAN JOSE AIRPORT  
RENTAL RECORD: 280815463  
ERIC GOULD  
COMPLETED BY: 6368  
RENTED: SAN JOSE AIRPORT  
RENTAL: 11/16/99 09:30  
RETURN: 11/16/99 16:26  
MILES IN: 02221 OUT: 02181  
MILES DRIVEN: 40  
PLAN IN/OUT: HOLD /HOLD  
CLS: L  
  
1 DAYS 69.99 69.99  
SUBTOTAL 69.99  
FL & SVC MI 0 .220 9.16  
TX 0.250X ON 79.15 6.53  
VEH LIC FEE 1.06  
NET DUE 86.76  
PAID BY: HC  
CREDIT CARD #: XXXXXXXXXX0001024

Thank you for renting from  
**Hertz**

AUSTIN BERGSTROM  
INTERNATIONAL AIRPORT  
Card Account # : 5508320000191024  
Card Expiration Date : 10/01  
Card Type : MASTER CARD  
Authorization Code : 052332  
Bank Sequence Number : 00000735  
  
Entrance: 07:22 11/16/99 Lane # 01  
Exit : 23:07 11/16/99 Lane # 52  
Length of stay: 0 d. 15 h. 45 mn.  
License Plate : TX VHR27V  
Cashier: 150 Shift: 0212 SEQ# 34006  
  
Transaction Amount: \$ 18.00

ISSUED BY American Airlines ETKT		PASSENGER TICKET AND BAGGAGE CHECK		ISSUED BY American Airlines	
NOT TRANSFERABLE		SUBJECT TO CONDITIONS OF CONTRACT ON REVERSE SIDE		PASSENGER TICKET AND BAGGAGE CHECK	
FLIGHT COUPON YOUR CODE		2101136425		PASSENGER AND BOARDING PASS	
1 2		C0011		COUPON AND BOARDING PASS	
TRISNADI/PAULUS		XTMM0U5250CT99		NAME OF PASSENGER	
AUSTIN		60		TRISNADI/PAULUS	
OSAN JOSE		AA 1881 K 02NOV800A OK		FROM	
CA		XTM C1C		AUSTIN	
O SAN JOSE		CA		O SAN JOSE	
CA				CA	
FP TBMWIK5588320000191024#10/01#052421# /FCAUS AA S		AMERICAN AIRLINES		AMERICAN AIRLINES	
JC273.49 AA AUS273.49KR26D 546.98 END ZPAUSSJC XFAU		AA 1881K		AA 1881K	
S3SJC3				CHECK-IN REQUIRED	
XF 6.00					
USD 546.98					
US 41.02					
ZP 4.50					
USD 598.50					
0214041693 5		1 001 2101136425 3		1 001 2101136425 3	
				001/C1C	

ISSUED BY American Airlines ETKT		PASSENGER TICKET AND BAGGAGE CHECK		ISSUED BY American Airlines	
NOT TRANSFERABLE		SUBJECT TO CONDITIONS OF CONTRACT ON REVERSE SIDE		PASSENGER TICKET AND BAGGAGE CHECK	
FLIGHT COUPON YOUR CODE		2101136424		PASSENGER AND BOARDING PASS	
1 2		C0011		COUPON AND BOARDING PASS	
GOULD/ERIC		XTMM0U5250CT99		NAME OF PASSENGER	
AUSTIN		62		GOULD/ERIC	
OSAN JOSE		AA 1881 K 02NOV800A OK		FROM	
CA		XTM C1C		AUSTIN	
O SAN JOSE		CA		O SAN JOSE	
CA				CA	
FP TBMWIK5588320000191024#10/01#052421# /FCAUS AA S		AMERICAN AIRLINES		AMERICAN AIRLINES	
JC273.49 AA AUS273.49KR26D 546.98 END ZPAUSSJC XFAU		AA 1881K		AA 1881K	
S3SJC3				CHECK-IN REQUIRED	
XF 6.00					
USD 546.98					
US 41.02					
ZP 4.50					
USD 598.50					
0214041690 2		1 001 2101136424 2		1 001 2101136424 2	
				001/C1C	

ISSUED BY American Airlines ETKT		PASSENGER TICKET AND BAGGAGE CHECK		ISSUED BY American Airlines	
NOT TRANSFERABLE		SUBJECT TO CONDITIONS OF CONTRACT ON REVERSE SIDE		PASSENGER TICKET AND BAGGAGE CHECK	
FLIGHT COUPON YOUR CODE		2101136423		PASSENGER AND BOARDING PASS	
1 2		C0011		COUPON AND BOARDING PASS	
FREEMAN/MARK		XTMM0U5250CT99		NAME OF PASSENGER	
AUSTIN		64		FREEMAN/MARK	
OSAN JOSE		AA 1881 K 02NOV800A OK		FROM	
CA		XTM C1C		AUSTIN	
O SAN JOSE		CA		O SAN JOSE	
CA				CA	
FP TBMWIK5588320000191024#10/01#052421# /FCAUS AA S		AMERICAN AIRLINES		AMERICAN AIRLINES	
JC273.49 AA AUS273.49KR26D 546.98 END ZPAUSSJC XFAU		AA 1881K		AA 1881K	
S3SJC3				CHECK-IN REQUIRED	
XF 6.00					
USD 546.98					
US 41.02					
ZP 4.50					
USD 598.50					
0214041687 6		1 001 2101136423 1		1 001 2101136423 1	
				001/C1C	

FROM : MONKEYmedia PHONE NO. : 512 440 1050 Dec. 06 1999 05:47PM P5

PASSENGER TICKET AND BAGGAGE CHECK  
SUBJECT TO CONDITIONS OF CONTRACT

**2164972142**  
FLIGHT COUPON 1 OF 2  
04NOV99 45182245 US

NAME OF PASSENGER (NOT TRANSFERABLE)  
GOULD/ERIC  
AUSTIN  
SAN JOSE CA

DATE OF ISSUE 05D 350 TIME 0800Z PLACE OF ISSUE AUSTIN YOUR CODE 6

CLASS OF SERVICE AA 1881 K 16NOV 800AOK 21AUG

ORIGINATOR 001212688349/21AUG97CTM ISSUED BY EXCHANGE FOR 0012188022184

RUS RR SJJ273.49 RR AUS273.49KR280 546.98 END ZPAUSSJC XPAUSSJC

FAIR CODE SXORL/PA

DATE 05D 350 TIME 0800Z PLACE OF ISSUE AUSTIN YOUR CODE 6

CLASS OF SERVICE AA 1881 K 16NOV 800A

CHECK-IN REQUIRED

ADDITIONAL SEAT INFORMATION

COUPON 001 2164972142 4

1 001 2164972142 4

STAPLE HERE ATB2  
INSERT HERE ATB2

PASSENGER TICKET AND BAGGAGE CHECK  
SUBJECT TO CONDITIONS OF CONTRACT

**2164972169**  
FLIGHT COUPON 1 OF 2  
04NOV99 45182245 US

NAME OF PASSENGER (NOT TRANSFERABLE)  
TRISNADI/PAULUS  
AUSTIN  
SAN JOSE CA

DATE OF ISSUE 05D 350 TIME 0800Z PLACE OF ISSUE AUSTIN YOUR CODE 6

CLASS OF SERVICE AA 1881 K 16NOV 800AOK

ORIGINATOR 001212688349/21AUG97CTM ISSUED BY EXCHANGE FOR 0012188022184

RUS RR SJJ273.49 RR AUS273.49KR280 546.98 END ZPAUSSJC XPAUSSJC

FAIR CODE SXORL/PA

DATE 05D 350 TIME 0800Z PLACE OF ISSUE AUSTIN YOUR CODE 6

CLASS OF SERVICE AA 1881 K 16NOV 800A

CHECK-IN REQUIRED

ADDITIONAL SEAT INFORMATION

COUPON 001 2164972169 3

1 001 2164972169 3

STAPLE HERE ATB2  
INSERT HERE ATB2

PASSENGER TICKET AND BAGGAGE CHECK  
SUBJECT TO CONDITIONS OF CONTRACT

**2164972167**  
FLIGHT COUPON 1 OF 2  
04NOV99 45182245 US

NAME OF PASSENGER (NOT TRANSFERABLE)  
FREEMAN/MARK  
AUSTIN  
SAN JOSE CA

DATE OF ISSUE 05D 350 TIME 0800Z PLACE OF ISSUE AUSTIN YOUR CODE 6

CLASS OF SERVICE AA 1881 K 16NOV 800AOK

ORIGINATOR 001212688349/21AUG97CTM ISSUED BY EXCHANGE FOR 0012188022184

RUS RR SJJ273.49 RR AUS273.49KR280 546.98 END ZPAUSSJC XPAUSSJC

FAIR CODE SXORL/PA

DATE 05D 350 TIME 0800Z PLACE OF ISSUE AUSTIN YOUR CODE 6

CLASS OF SERVICE AA 1881 K 16NOV 800A

CHECK-IN REQUIRED

ADDITIONAL SEAT INFORMATION

COUPON 001 2164972167 1

1 001 2164972167 1

STAPLE HERE ATB2  
INSERT HERE ATB2

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

Oct. 21 1999 04:18PM P3



MONKEYmedia, Inc.

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

**Invoice**

FastTrack Systems  
c/o Michael Mischke-Reed  
via fax: 1/415/333-2975

DATE: 10/13/1999

INVOICE #: FAST.007

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
October 13, 1999	Reimbursable Expenses for SPEED	
	TRAVEL	2,497.38
	10/4/99 American Airlines for Eric Gould	\$804.81
	10/4/99 American Airlines for Paulus Trisnadi	\$804.81
	10/4/99 American Airlines for Mark Freeman	\$804.81
	10/4/99 Avis Rental	\$64.95
	10/4/99 Austin Bergstorm Airport Parking	\$18.00
	MEALS	164.31
	10/4/99 Austin Bergstorm Airport	\$5.86
	10/4/99 Campus Cafe (EG & MMR)	\$12.23
	10/4/99 Campus Cafe (PT & MF)	\$15.92
	10/11/99 El Sol Y La Luna (Lunch with CBC)	\$42.26
	10/11/99 The Bitter End (Dinner with CBC)	\$88.04

ok to pay,  
*Michael Mischke-Reed*

DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS

**TOTAL** \$2,661.69

Tax Payer ID #74-2899535

5205-200

received: 10/21/99 2:00PM;

512 440 1050 -> AVANTGO; Page 2

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

Oct. 21 1999 04:15PM P2



MONKEYmedia, Inc.

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

## Invoice

FastTrack  
c/o Michael Mischke-Reed  
via fax: 1/415/333-2975

10/1/99

DATE: 9/22/1999

INVOICE #: FAST.006

DATE	DESCRIPTION	AMOUNT
September 21, 1999	Site & Sponsor Demo's (Clio & Palm)	
	Donald McCaskill - 11 hours @ \$125	1,375.00
	Mark Freeman - 32.5 hours @ \$125	4,062.50
	Paulus Trisnadi - 88.5 Hours @ \$125	11,062.50

TOTAL \$16,500.00

- 1/3 Credit 5,500.<sup>00</sup>  
\$ 11,000.<sup>00</sup>

OK to pay \$11,000

DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS

Tax Payer ID #74-2899535

*Michael Mischke-Reed*

5205-200

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

Oct. 21 1999 04:18PM F4

ISSUED BY **AmericanAirlines** ETKT  
NOT TRANSFERABLE

PASSENGER TICKET AND BAGGAGE CHECK  
SUBJECT TO CONDITIONS OF CONTRACT ON REVERSE SIDE

ISSUED BY **AmericanAirlines**  
PASSENGER TICKET AND BAGGAGE CHECK  
PASSENGER AND BOARDING PASS

NAME OF PASSENGER  
**TRISNADI/PAULUS**

FLIGHT COUPON  
1 2

YOUR CODE  
2100730153

PLATE OF ISSUE  
C0011

XTMM00S24SEP99

NAME OF PASSENGER  
**TRISNADI/PAULUS**

FROM  
**AUSTIN**

TO  
**0 SAN JOSE CA**

CLASS OF SERVICE  
**CA**

CARRIER  
**AA 1881 H 04OCT800A OK**

STATUS  
**XTM C2C**

FP TBMBA4271382496032547#09/99\*950757\* /FCAUS AA S  
JC466.67H26 AA AUS272.22WR26D 738.89 END ZPAUS2.25S  
JC2.25 XFAUS3SJC3

AMERICAN AIRLINES  
AA 1881H 04OCT800A

CHECK-IN REQUIRED

THIRD TAX  
XF 6.00  
USD 738.89  
TAX US 55.42  
ZP 4.50 0211785480 4  
USD 804.81

DO NOT MARK OR WRITE IN THE WHITE AREA ABOVE

ISSUED BY **AmericanAirlines** ETKT  
NOT TRANSFERABLE

PASSENGER TICKET AND BAGGAGE CHECK  
SUBJECT TO CONDITIONS OF CONTRACT ON REVERSE SIDE

ISSUED BY **AmericanAirlines**  
PASSENGER TICKET AND BAGGAGE CHECK  
PASSENGER AND BOARDING PASS

NAME OF PASSENGER  
**FREEMAN/MARK**

FLIGHT COUPON  
1 2

YOUR CODE  
2100730154

PLATE OF ISSUE  
C0011

XTMM00S24SEP99

NAME OF PASSENGER  
**FREEMAN/MARK**

FROM  
**AUSTIN**

TO  
**0 SAN JOSE CA**

CLASS OF SERVICE  
**CA**

CARRIER  
**AA 1881 H 04OCT800A OK**

STATUS  
**XTM C2C**

FP TBMBA4271382496032547#09/99\*950757\* /FCAUS AA S  
JC466.67H26 AA AUS272.22WR26D 738.89 END ZPAUS2.25S  
JC2.25 XFAUS3SJC3

AMERICAN AIRLINES  
AA 1881H 04OCT800A

CHECK-IN REQUIRED

THIRD TAX  
XF 6.00  
USD 738.89  
TAX US 55.42  
ZP 4.50 0211785483 0  
USD 804.81

DO NOT MARK OR WRITE IN THE WHITE AREA ABOVE

ISSUED BY **AmericanAirlines** ETKT  
NOT TRANSFERABLE

PASSENGER TICKET AND BAGGAGE CHECK  
SUBJECT TO CONDITIONS OF CONTRACT ON REVERSE SIDE

ISSUED BY **AmericanAirlines**  
PASSENGER TICKET AND BAGGAGE CHECK  
PASSENGER AND BOARDING PASS

NAME OF PASSENGER  
**GOULD/ERIC**

FLIGHT COUPON  
1 2

YOUR CODE  
2100715392

PLATE OF ISSUE  
C0011

XTMM00S23SEP99

NAME OF PASSENGER  
**GOULD/ERIC**

FROM  
**AUSTIN**

TO  
**0 SAN JOSE CA**

CLASS OF SERVICE  
**CA**

CARRIER  
**AA 1881 H 04OCT800A OK**

STATUS  
**XTM C2C**

FP TBMBA4271382496032547#09/99\*447533\* /FCAUS AA S  
JC466.67H26 AA AUS272.22WR26D 738.89 END ZPAUS2.25S  
JC2.25 XFAUS3SJC3

AMERICAN AIRLINES  
AA 1881H 04OCT800A

CHECK-IN REQUIRED

THIRD TAX  
XF 6.00  
USD 738.89  
TAX US 55.42  
ZP 4.50 0211963562 6  
USD 804.81

DO NOT MARK OR WRITE IN THE WHITE AREA ABOVE

Received: 10/21/99 2:04PM;

512 440 1050 -> AVANTGO; Page 5

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

Oct. 21 1999 04:19PM P5

**AVIS** We try harder

**TRANSACTION RECORD**

RENTAL NUMBER CAR NUMBER CAR GROUP

786747802 6043973 W  
GOULD, ERIC  
WIZ= EQ528T AWD= L307238  
CV CX4271382496032547

FTN# AD39CK966 3A  
OUT SJC 04OCT99/1022 MI- 9274  
IN SJC 04OCT99/1633 MI- 9345  
71 MI@ .35-

6 HR@ 19.67=  
DY@ 59.00=  
MINIMUM CHARGE = 59.00  
DISCOUNT .0 =  
ONE WAY FEE/MISC=  
FUEL SERVICE =  
TAXABLE SUBTOT = 59.00

TAX 8.250% = 4.87  
\*\*VLF FEE = 1.08  
LDW  
TOTAL CHARGES = 64.95  
\*\*VEH LICENSE FEE\$1.0870Y

CA ONE SERVICES INC.  
AUSTIN-BERGSTROM INTL. AIRPORT  
MATT'S EL RANCHO

1009 JESSICA

8160 OCT04/99 6:16AM

1 Lg Bottle 1.63  
1 Egg & Potatoes 3.10

Subtotal 4.95  
Charge Tip 0.50  
Total Tax 0.41  
Total Paid..... 5.86  
CHARGE TIP 0.50  
4271382496032547 09/02  
ERIC J GOULD  
VISA 15.86

\*\*\*\*\*  
PROVIDING CARE AND COMFORT  
TO PEOPLE AWAY FROM HOME  
\*\*\*\*\*

Your order number is: 8160

10-04-99

3 \*1.99  
3 \*1.99  
3 \*1.99  
3 \*4.50  
3 \*3.95

3 \*1.50

6  
15.92  
12-17  
7040 15%

Thank you for renting from Avis  
We value your business. Have a safe trip

AUSTIN BERGSTROM  
INTERNATIONAL AIRPORT

Card Account # : 4271382496032647  
Card Expiration Date : 09/02  
Card Type : VISA  
Authorization Code : 967958  
Bank Sequence Number : 00000168

Entrance: 07:02 10/04/99 Lane # 04  
Exit : 22:35 10/04/99 Lane # 50  
License Plate : TX VHR27V  
Cashier: 183 Shift: 0222 SEQ# 49572

Transaction Amount: \$ 64.95



Received: 10/21/99 2:05PM;

512 440 1050 -> AVANTGO; Page 6

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

Oct. 21 1999 04:19PM P6

*Fast Track*

*Fast Track*

THE BITTER END  
BISTRO AND BREWERY  
311 Colorado Street  
Austin, TX 78701  
512-478-2337

Server: HOLLY DOB: 10/11/99  
07:59 PM 10/11/99  
Table 80/1 6/21

VISA 6291477  
Card #4271382496032547 Exp:0902  
Magnetic card present: goulderic  
j  
Approval: 052856

Amount: 73.04

+ Tip: 15

= Total: 88.04

X  
Approval: 052856

OUR KITCHEN STAYS OPEN LATE!  
SUN-THURS UNTIL MIDNIGHT  
FRI & SAT UNTIL 1:00a.m  
VISIT THE BITTER END B-SIDE  
LOUNGE

Customer Copy

4381322135102511  
CAMPUS CAFE  
2955 CAMPUS DRIVE  
SPR NATED: CA 94403  
(458) 573-1800

10/21/99

11:20:31

PURCHASE

ACCOUNT NUMBER EXP.  
4271382496032547 09/02

TWIN CODE AUTH. REF #  
25 259854 001005

AMOUNT

DESC.

I AGREE TO PAY ABOVE TOTAL AMOUNT  
ACCORDING TO CARD ISSUER AGREEMENT  
(MERCHANT AGREEMENT IF CREDIT VOUCHER)

EL SOL Y LA LUNA  
506  
306  
SOUTH CONGRESS AVE  
AUSTIN TX 78704

TIME 11:40 PM DATE 10/11/99  
TERMIN 00321549 TERM 00016428270995  
TRAN TYPE SALE  
#4600036901943001  
CARD TYPE VISA  
EXP DATE 10/10 SER # 007  
TICKET # 012082 SERIAL ID 7  
AUTH CODE 2111997

BASE \$36.26

TIP

TOTAL

SIGN

SECURITY GUIDE LINE  
157-45,43 200-57,25

I AGREE TO PAY ABOVE TOTAL AMOUNT  
ACCORDING TO CARD ISSUER AGREEMENT

Aug 14 99 10:22a

M. Mischke Reeds

415-333 2975

P.2

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

Aug. 11 1999 10:14AM P4



MONKEYmedia, Inc.

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

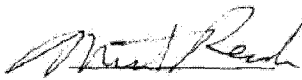
## Invoice

FastTrack  
c/o Michael Mischke-Reed  
via fax: 1/415/333-2975

DATE: 8/11/1999  
INVOICE #: FAST.005

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
August 11, 1999	Vadem, Inc. Clio PC Companion	975.00
	3Com Palm IIIx	329.95
	Shipping	18.69

DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS

  
TOTAL \$1,323.64

Tax Payer ID #74-2899535

Ok to pay

per Michael Mischke-Reed

5205-200

8/14/99

Aug 14 99 10:22a

M. Mischke Reeds

415-333 2975

p.3

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

Aug. 11 1999 10:13AM P3



MONKEYmedia, Inc.

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

## Invoice

FastTrack  
c/o Michael Mischke-Reed  
via fax: 1/415/333-2975

DATE: 8/11/1999

INVOICE #: FAST.004

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
August 11, 1999	Retainer for Q4 1999 Design and Production Fees	\$2,000.00

  
TOTAL \$52,000.00

DUE UPON RECEIPT.  
PLEASE REMIT TO ABOVE ADDRESS

Tax Payer ID #74-2899535

*OK to pay per  
Michael Mischke-Reed  
8/14/99*

5205-200

Aug 09 99 10:18a

M. Mischke Reeds

415-333 2975

p.3

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

Aug. 05 1999 02:44PM PT



**MONKEYmedia, Inc.**

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

## Invoice

FastTrack  
c/o Michael Mischke-Reed  
via fax: 1/415/333-2975

DATE: 8/5/1999

INVOICE #: FAST.003

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
August 5, 1999	Site & Sponsor Demo's Phase 2++	
	Paulus Trisnadi - 89 hrs @ \$125	11,125.00
	Alice Clark - 20 hrs @ \$125	2,500.00
	Mark Freeman - 11 hrs @ \$125	1,375.00
	Eric Gould - 12 hrs @ \$200	2,400.00
	Site & Sponsor Total Fees	\$17,400.00
August 6, 1999	TrailFinder Demo's (WebTV & Palm)	
	Paulus Trisnadi - 38 hrs @ \$125	4,750.00
	Donald McCaskill - 28 hours @ \$125	3,500.00
	Eric Gould - 12 hrs @ \$200	2,400.00
	TrailFinder Total Fees	\$10,650.00

DUE UPON RECEIPT,  
PLEASE REMIT TO ABOVE ADDRESS

**TOTAL** \$28,050.00

Tax Payer ID #74-2899535

5205 - 200

OK to pay per Michael  
Mischke Reeds  
8/4/99



## MONKEYmedia, Inc.

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

## Invoice

FastTrack  
c/o Michael Mischke-Reed  
via fax: 1/415/333-2975

DATE: 6/24/1999

INVOICE #: FAST.02

DATE	DESCRIPTION	AMOUNT
June 24, 1999	Phase I.5 Delivery	
	Paulus Trisnadi - 146 hrs @ \$125	18,250.00
	Mark Freeman - 51 hrs @ \$125	6,375.00
	Eric Gould - 48 hrs @ \$200	9,600.00
	<b>TOTAL FEES</b>	<b>\$34,225.00</b>
	<b>COURTESY DISCOUNT</b>	
	10% of Paulus Trisnadi	-1,825.00
	100% Mark Freeman	-6,375.00
	<b>DISCOUNT TOTAL</b>	<b>-\$ 8,200.00</b>
	<b>TOTAL DUE</b>	<b>\$26,025.00</b>
	Outstanding Invoice FAST.001	5,000.00
	Credit Against retainer for fees (FAST.001)	-5,000.00

DUE UPON RECEIPT, PLEASE REMIT TO  
ABOVE ADDRESS

Tax Payer ID#74-289935

TOTAL \$26,025.00

Less: payment  
CR 102

&lt; 5,000.00 &gt;

Total due

\$ 21,025.00

5205-200

Jun. 24 1999 05:56PM PJ

PHONE NO.: 512 440 1050

FROM: MONKEYmedia

To : Marsha, CU Group

From: Michael Mischke Reeds 12 pages

Please forward this invoice +  
contract to our Fast Track CFO.

✓ Review,

Michael

Larry  
will talk  
to Michael  
15+

about the  
Anita

Per Larry ok to  
pay  
m

Jun 17 99 03:55p

Manuela Mischke Reeds

415-333 2975

p.3

FROM : MONKEYmedia

PHONE NO. : 512 440 1050

Jun 07 1999 02:29PM P2



MONKEYmedia, Inc.

611 South Congress Avenue  
Austin, Texas 78704  
(512) 440-8000

## Invoice

FastTrack  
c/o Michael Mischke-Reed  
via fax: 1/415/333-2975

DATE: 6/7/1999

INVOICE #: FAST.001

<u>DATE</u>	<u>DESCRIPTION</u>	<u>AMOUNT</u>
June 1, 1999	Retainer for FastTrack Project Fees	5,000.00

**TOTAL** \$5,000.00

DUE UPON RECEIPT, PLEASE REMIT TO  
ABOVE ADDRESS

Tax Payer ID#74-289935

**EXHIBIT O TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**CONCEPT FIVE PROPOSAL,**  
**AUGUST 1999**



SB Proposal (HIGH)		MONTHLY	HOURLY (50 hr wk)
Architecture & Development			
Lead Architect (Proj Mgr)		\$50,000	\$250
Architect (Requirements)		\$40,000	\$200
Developer		\$40,000	\$200
Configuration Manager/ SA		\$40,000	\$200
Object Modeler		\$40,000	\$200
Data Modeler		\$40,000	\$200
Advisory			
Methodology Architect		\$50,000	\$250
QA Architect		\$50,000	\$250
Pharmaceuticals Architect		\$50,000	\$250
Modeling and Simulation Architect		\$50,000	\$250

Sep-99	Oct-99	Nov-99	Dec-99	Sep-99	Oct-99	Nov-99	Dec-99	sep-dec	sep-nov
100%	100%	100%	100%	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000		
100%	50%	50%	50%	\$ 40,000	\$ 20,000	\$ 20,000	\$ 20,000		
0%	200%	200%	200%	-	\$ 80,000	\$ 80,000	\$ 80,000		
50%	50%	100%	100%	\$ 20,000	\$ 20,000	\$ 40,000	\$ 40,000		
0%	50%	50%	50%	-	\$ 20,000	\$ 20,000	\$ 20,000		
0%	50%	50%	50%	-	\$ 20,000	\$ 20,000	\$ 20,000		
25%	0%	0%	10%	\$ 12,500	\$ -	\$ -	\$ 5,000		
10%	10%	10%	25%	\$ 5,000	\$ 5,000	\$ 5,000	\$ 12,500		
10%	10%	10%	10%	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000		
25%	10%	10%	10%	\$ 12,500	\$ 5,000	\$ 5,000	\$ 5,000		
				\$ 145,000	\$ 225,000	\$ 245,000	\$ 257,500	\$ 872,500	\$ 615,000

Reduced Proposal		MONTHLY	HOURLY (50 hr wk)
Architecture & Development			
Lead Architect (Proj Mgr)		\$50,000	\$250
Architect (Requirements)		\$40,000	\$200
Developer		\$40,000	\$200
Configuration Manager/ SA		\$40,000	\$200
Object Modeler		\$40,000	\$200
Data Modeler		\$40,000	\$200
Advisory			
Methodology Architect		\$50,000	\$250
QA Architect		\$50,000	\$250
Pharmaceuticals Architect		\$50,000	\$250
Modeling and Simulation Architect		\$50,000	\$250

Sep-99	Oct-99	Nov-99	Dec-99	Sep-99	Oct-99	Nov-99	Dec-99	sep-dec	sep-nov
50%	100%	100%	75%	\$ 25,000	\$ 50,000	\$ 50,000	\$ 37,500		
0%	0%	0%	0%	\$ -	\$ -	\$ -	\$ -		
0%	100%	100%	100%	\$ -	\$ 40,000	\$ 40,000	\$ 40,000		
20%	20%	20%	20%	\$ 8,000	\$ 8,000	\$ 8,000	\$ 8,000		
0%	50%	50%	20%	\$ -	\$ 20,000	\$ 20,000	\$ 8,000		
0%	25%	50%	50%	\$ -	\$ 10,000	\$ 20,000	\$ 20,000		
10%	0%	0%	10%	\$ 5,000	\$ -	\$ -	\$ 5,000		
10%	10%	10%	10%	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000		
10%	10%	10%	10%	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000		
10%	25%	10%	10%	\$ 5,000	\$ 12,500	\$ 5,000	\$ 5,000		
				\$ 53,000	\$ 150,500	\$ 153,000	\$ 133,500	\$ 490,000	\$ 356,500
								44%	42%

Notes

Reductions in headcount: Architect (1 FTE), Developer (1 FTE)

Pushing out timeline:

Start mid-September, not September 1

Data modeling lags object modeling (slightly)

Sponsor lags site by 4-6 weeks

Rev 2 work, including EON review, pushed back by a month

Phase 1 ends in December

**EXHIBIT P TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**CONCEPT FIVE MILESTONES REVIEWS SUMMARY,  
SEPTEMBER 1999 - DECEMBER 1999**

## Fast Track Phase 1 Milestones Reviews Summary

Week	ID	Task	Start	Finish
<b>Week of September 19</b>				
	9	Draft Review of Conceptual Model v.0.2	09/24/99	09/24/99
<b>Week of September 26</b>				
	10	Review of Conceptual Model v.0.2	10/04/99	10/04/99
	169	Weekly Progress Reviews 2	10/05/99	10/05/99
	44	Review of Site R1 Implementation Strategy	10/06/99	10/06/99
	27	Review First Tier COTS	10/08/99	10/08/99
	33	Review of Site R1 Tech Architecture v.0.2	10/08/99	10/08/99
	34	Review Project Application of S-AIM	10/08/99	10/08/99
<b>Week of October 10</b>				
	20	Review of Security Policy v.0.5 w/ FastTrack	10/12/99	10/12/99
	170	Weekly Progress Reviews 3	10/12/99	10/12/99
	14	Review of Conceptual Model v.0.5	10/15/99	10/15/99
<b>Week of October 17</b>				
	171	Weekly Progress Reviews 4	10/19/99	10/19/99
	178	C5 Presentation to FastTrack Management	10/19/99	10/19/99
	179	Working Sessions with EON/Protégé Team	10/20/99	10/20/99
<b>Week of October 24</b>				
	180	Sponsor Kickoff Meeting: C5, Monkey Media, CBC	10/25/99	10/25/99
	87	Review of Spon R1 Tech Architecture v.0.2	10/26/99	10/26/99
	97	Review of Spon R1 Implementation Strategy	10/26/99	10/26/99
	155	Review 2nd Tier COTS	10/26/99	10/26/99
	172	Weekly Progress Reviews 5	10/26/99	10/26/99
	23	Review of Security Policy v.1.0 w/ FDA	10/27/99	10/27/99
	52	Review of Site R1 Analysis Model v.0.5	10/29/99	10/29/99
<b>Week of October 31</b>				
	37	Review of Site R1 Tech Architecture v.0.5	11/01/99	11/01/99
	148	Review of Skeletal Alternatives and Metric Types	11/01/99	11/01/99
	154	Review EON Architecture Strategy	11/01/99	11/01/99
	173	Weekly Progress Reviews 6	11/02/99	11/02/99
	62	Review of Site R1 Platform Deliverables	11/05/99	11/05/99
<b>Week of November 7</b>				
	48	Demonstration of Site R1 Prototype	11/09/99	11/09/99
	174	Weekly Progress Reviews 7	11/09/99	11/09/99
	90	Review of Spon R1 Tech Architecture v.0.5	11/10/99	11/10/99
	105	Review of Spon R1 Analysis Model v.0.5	11/10/99	11/10/99
<b>Week of November 14</b>				
	17	Review of Conceptual Model v.1.0	11/15/99	11/15/99
	65	Review of Site R1 Implementation Plan	11/15/99	11/15/99
	40	Review of Site R1 Physical Architecture v.1.0	11/16/99	11/16/99
	175	Weekly Progress Reviews 8	11/16/99	11/16/99
<b>Week of November 21</b>				
	55	Review of Site R1 Analysis Model v.1.0	11/22/99	11/22/99
	137	Review of Rev 2 Analysis Model v.0.5	11/22/99	11/22/99
	176	Weekly Progress Reviews 9	11/23/99	11/23/99
	143	Review R2 Architecture and Plan	11/25/99	11/25/99
<b>Week of November 28</b>				
	93	Review of Spon R1 Physical Architecture v.1.0	11/29/99	11/29/99
	116	Review of Spon R1 Implementation Plan	11/29/99	11/29/99
	108	Review of Spon R1 Analysis Model v.1.0	11/30/99	11/30/99
	177	Weekly Progress Reviews 10	11/30/99	11/30/99
<b>Week of December 5</b>				
	101	Demonstration of Spon R1 Prototype	12/06/99	12/06/99
	113	Review of Spon R1 Platform Deliverables	12/06/99	12/06/99



CONCEPT FIVE  
TECHNOLOGIES, INC.

**EXHIBIT Q TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**TRANSITION PLAN TO INTERNAL DEVELOPMENT  
TEAM,  
MARCH 2000**

C5 Resources	Resource Offset	Resource Start Date	C5 Off Project	Delta		
				R1 Release Date	(Release Date - Off Project)	Notes
Allen Chang	Java Guru	1-Jul	1-Aug	15-Jun	-47	Java Guru
Michael E	Gary Fong	30-Apr	30-May	15-Jun	16	Keep on Through Release 1 Dev/QA
John M.	?? (May want to keep for futures)				0	Need to develop plan for how to use John
Siddharth	Jeff Veatch (Offer Made)	15-Apr	15-May	15-Jun	31	For Personal reasons Chris needs to be off by May 15
Chris H.	New System Admin (not yet ID'd)	1-May	15-May	15-Jun	31	
Matt M.	Java Guru	1-Jul	1-Aug	15-Jun	-47	
Rick Osborn	Colin Shield (Offer Made)	15-Apr	15-May	15-Jun	31	
Jason K.	Steve Adams (Offer Made)	15-Apr	30-Apr	15-Jun	46	
Chris C.	Nadine P. (Accepted)	3-Apr	10-Apr	15-Jun	66	
Jim Murphy	PS-KK-PA-RL (ME-JM)	On Board	4/1/2000	15-Jun	75	20% through month of April support JM and ME
Ted Wells	KK-Debashish or M. Mueller	1-May	3/17/2000	15-Jun	90	
Part Time (Arch, Proj mgt) (Robt C5 needs to justify C5 planning on pulling off billable by end of month						

General Notes:

0. This plan is very optimistic
1. Do we want to keep entire R1 team in tact through QA (Exeption QA, may arch's)
2. Do we want to keep more of C5 on to start future release (they would be interested in fixed price model if they managed and resourced)
3. Do we want to keep more developers on in order to have reserve for slips.
4. This plan assumes all offers out are accepted

**EXHIBIT R TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**SCENARIO-STORIES,  
OCTOBER 1999**

## Scenario One: Prepping for Patient Visit.

Anne Brown is the Clinical Coordinator at a small regional clinic. On Monday morning Anne checks the FTS calendar on her Dashboard.

\*On the calendar/schedule screen, a reminder shows up, alerting her to the fact that Jane Doh has clinic visit #6 scheduled on Thursday.

\*She checks with the Front Desk (FD) to confirm the visit.

\*She goes to the Task Management screen of her dashboard for a list of the tasks to be performed during the visit and the roles associated with each task.

\*In addition to seeing the tasks to be completed *during* the visit, she sees a list of tasks that must be completed *before* visit #7 (such as chest X-ray) and for visit #7 (e.g.: to see if MD or PI is available). After reviewing the list and making any necessary changes, Anne clicks [OK] to approve the list. She then prints out a paper version of the checklist for the FD. Alternatively, clicking [OK] creates an electronic version that is downloadable to the Fast Track HandHeld (HH) unit.

{

For paper version of task list:

The FD takes this task form on the day of Visit #6 and acts accordingly. The completed task form is put into a bin and later faxed to FTS. FTS updates the Anne's Clinical Coordinator Dashboard with an e-mail which says either: 1) yesterday's visit was okay or; 2) Patient PT123, Visit #6 did not collect in-depth neurological exam (or other incomplete data).

When Anne checks the CC Dashboard on Tuesday morning, a flag from FTS alerts her to the discrepancy. Accordingly, she schedules visit 6A.

}

For the HH version of the task list:

When Anne clicks [OK], she populates a task list that is downloadable to the HH.

Two possible models here: 1 user: 1 HH: Many patients, **OR** 1 HH: 1 Patient: Many Users (this latter model being more preferable and probably more palatable to those with any technophobe proclivities).

Under the 1HH model:

The HH is velcroed or otherwise attached to the patient clipboard or chart. The Chart is placed at the MA's station.

\*The Med Assist checks HH, does his assigned tasks, clicks [Done] or otherwise signs off. HH is reattached to the clipboard and passed on, to the MD.

\*MD is read-only. She reviews tasks, clicks [Done] or otherwise signs off and passes HH and clipboard on to RN.

\*RN acts accordingly, in the manner of MA and MD, and passes on to FD.

\*FD reviews, HH passed on, tasks for next visit annotated.

At the end of the visit, the Checked off task list is uploaded to FTS and, as in the case of the paper version, FTS either signals all is okay or sends a flag to the clinical coordinator.

## Scenario Two: The Clinical Coordinator

Clinical coordinator Silas Marner arrives at a large university medical center on Tuesday morning, grabs his coffee and logs on to his Dashboard.

- Immediately after log on, an alert from FTS shows up on the screen: "10/11/99 — Patient PT789 did not give blood sample." He notes this and schedules a visit for Patient PT789 as soon as possible with the FD.
- Additionally, he sees in the reminder window that Inventory Control needs investigation: the number of lab kits for study 11235 is critically low.
- A third reminder notifies him that Patient PT456 on study X is due for a 6-month follow-up visit on Thursday and needs a reminder phone call.

After acting accordingly, Silas consults the dashboard to:

1. review/add to/modify the task/to-do list
2. check on IRB approval of study LZ4
3. Silas also sees that he should place ads in the local radio market to attract more patients for study LZ7.

Later in the day, Silas uses the dashboard to drill into certain items:

- He investigates study set-up (a list of accruing studies and the accrual status).
- He also prepares for next week's patient visits
- He checks the calendar and confirms with the FDS.
- Finally, he reviews Task List reminders to make sure everything is in order for the business of the day.

## Scenario Three: Enrolling in a Study

Clinical coordinator Emily Morrison receives a phone call from a Trial Sponsor asking if the clinic is interested in an anti-emetic trial. When Emily indicates an interest, the Sponsor follows up with a fax.

Emily and a PI run an accrual simulation to determine the feasibility of enrolling in the study. An examination of the clinic's resources reveals that the study is viable. After budgeting, the clinic's PI okays the study and a contract is signed. The clinic opens a file for study 9NZGL.

Emily consults the study general info, which includes input fields for sponsor name, clinical manager name, relevant phone numbers, study names, accrual target, and information about the IRB. She also consults a checklist of tasks that must be performed prior to patient enrollment. She uses this checklist to determine the status (submitted, pending, or approved) of Informed Consent Forms, IRB approval, the receipt of the protocol and binders, ..., and receipt of the IRB approval letter.

When she checks off that the tasks are done, the dashboard logs the appropriate information and uploads it to FTS.



After this process is completed, Emily runs the QuickScreener to find patients and checks with the MD to contact them. An eligibility checklist is also disseminated to MD's and care providers via the HH. CRF's, drugs, and lab kits will also be signed off once enough patients are accrued.

**EXHIBIT S TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**CONCEPT FIVE ARCHITECTURE SPEC 0.1,  
OCTOBER 1999**

## Fast Track: Conceptual Model and Architecture Document

September 22, 1999

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  - Fast Track's Competition

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  - Key Concepts
  - Critical Supporting Services
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  - Timeline for Release and Scope
- Conceptual Framework for Architecture

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  - Issues, Metrics, Immediate Next Steps
- Technical Architecture
  - Architectural View
  - Issues, Metrics, Immediate Next Steps
- Physical Architecture
  - Architectural View
  - Issues, Metrics, Immediate Next Steps
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  - Development, Testing, Production Environments
  - Issues, Metrics, Immediate Next Steps
- Critical Architectural Challenges

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- Plan Overview
- Key Deliverable and Review Dates

## FastTrack Background

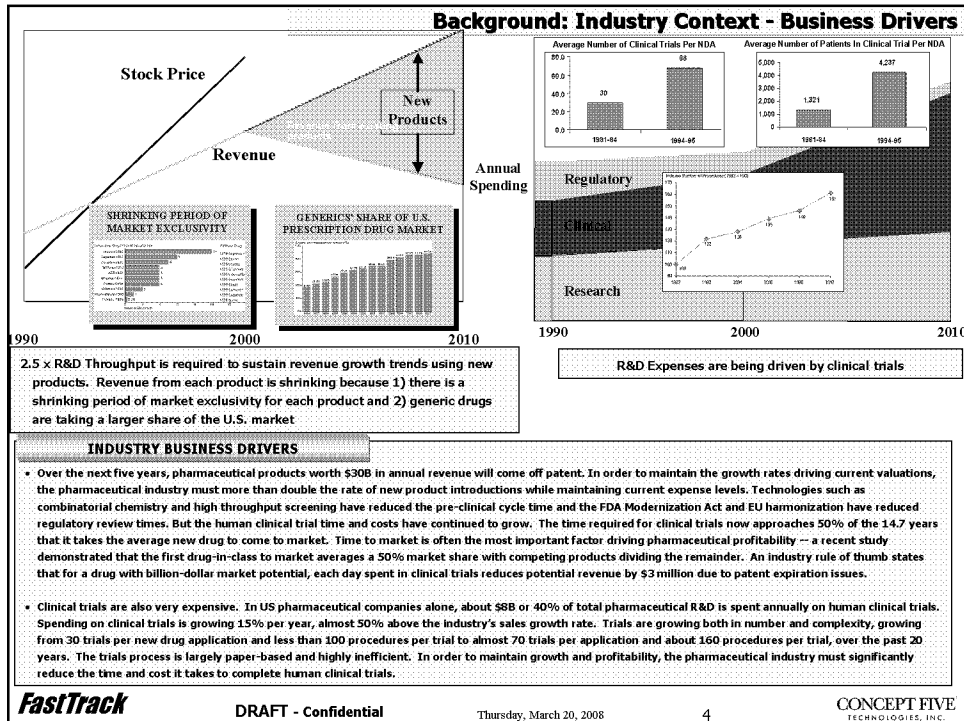
**FastTrack**

DRAFT - Confidential

Thursday, March 20, 2008

3

CONCEPT FIVE  
TECHNOLOGIES, INC.



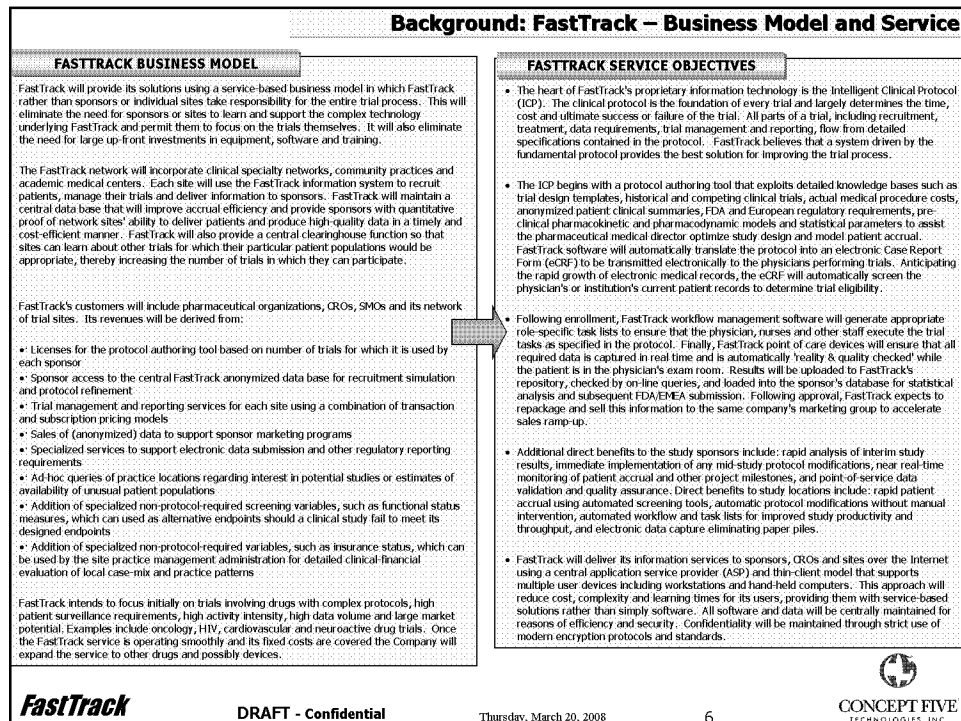
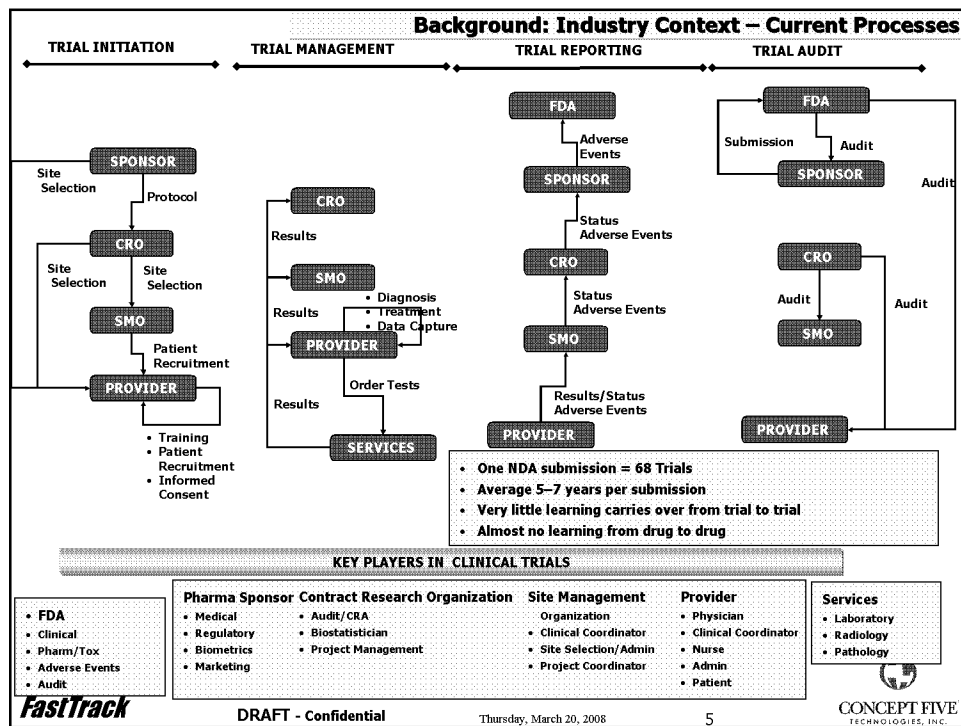
**FastTrack**

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Thursday, March 20, 2008

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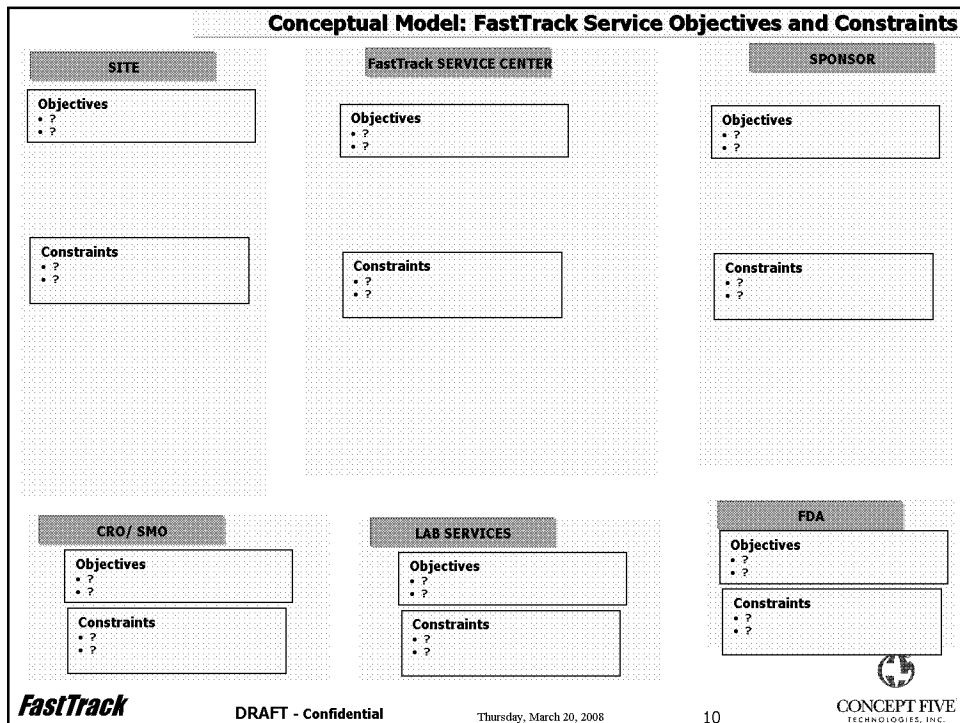
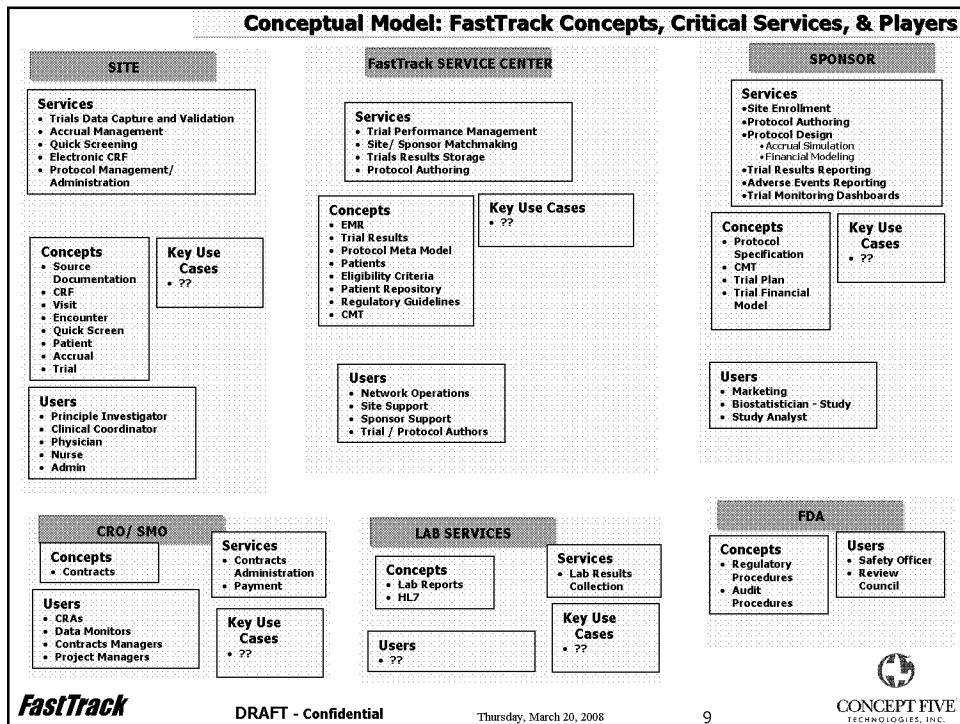
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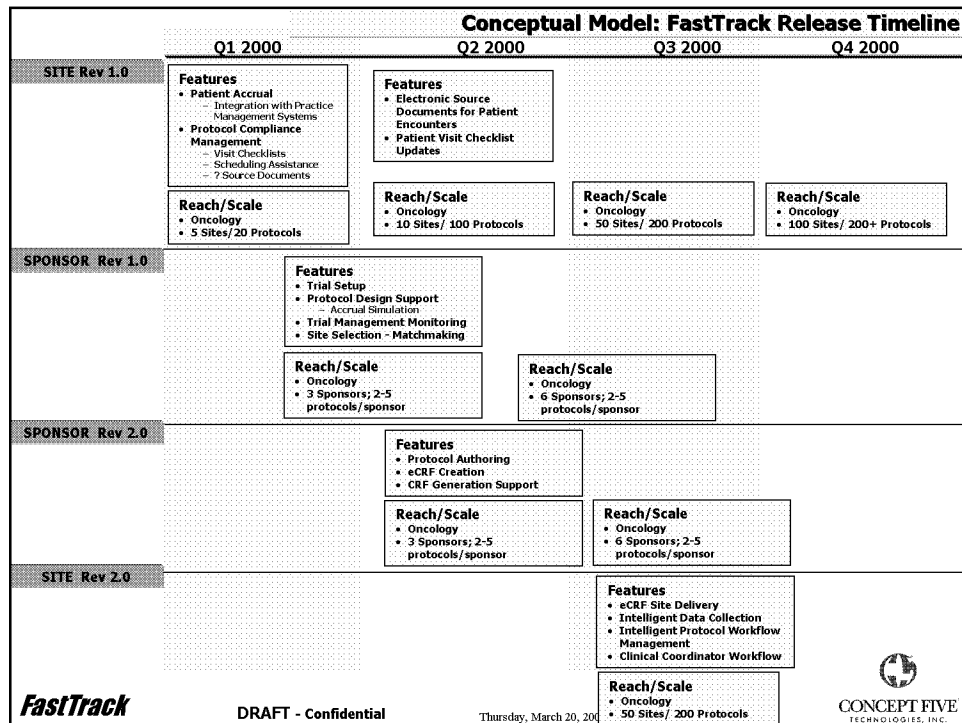
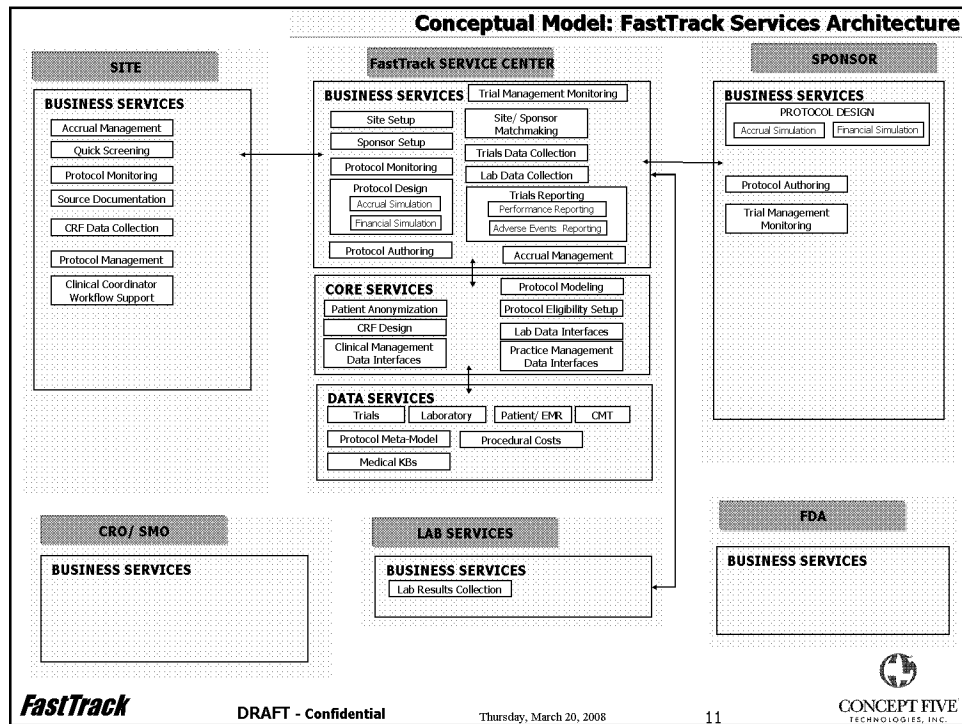


**Background: FastTrack's Competition**

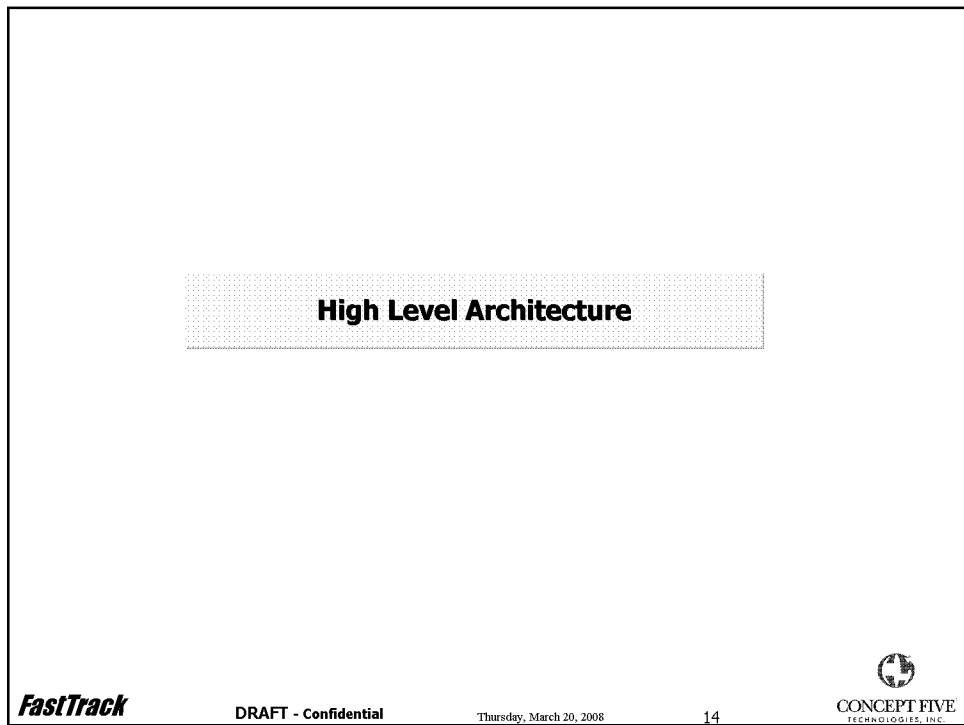
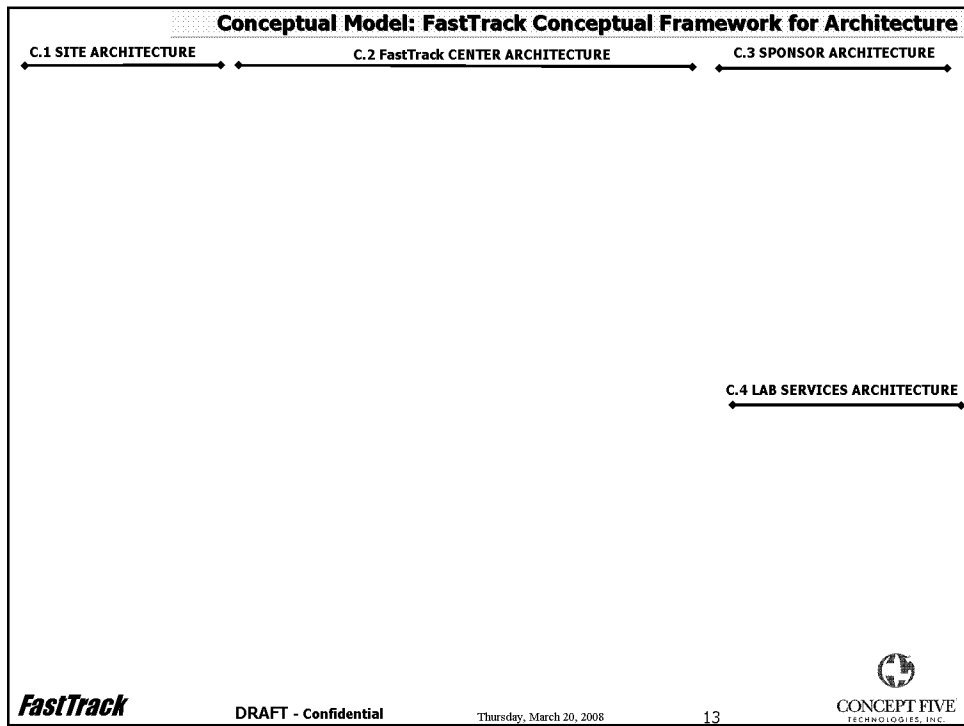
PRODUCT CLASS	COMPANIES
Trial Simulation & Design	PharSight, Entelos, FastTrack
Clinical Data Capture	Phase Forward, CB MetaTrial, PHT Corp PlexxNet, Versal Web Trial, Clinical Data Solutions, FastTrack
Site-oriented Clinical Trial Management (scheduling, task management, finances)	Advanced Clinical Software - Study Manager, Fraser Williams - Impact, FastTrack
Matching sponsors to sites, patients to studies via Web	Clinmark.com, CenterWatch, FastTrack
Workflow Management	IBM Mqseries, Action Technologies, Computron, DST Systems, FileNET Staffware, Workflow Solutions Group
Document Management	Documentum, PC Docs/Fulcrum, Microsoft - OpenText, Lotus, Novell, Eastman Software
Charge and Patient Databases	DataEdge PICUS
Patient-Oriented Disease Specific Web Portals	Drkoop.com, Americasdoctor.com, WebMD.com, Healtheon.com
Medical Terminology Services	Lexical Technology, Ontyx
Clinical Data Management	Domain, Oracle Clinical

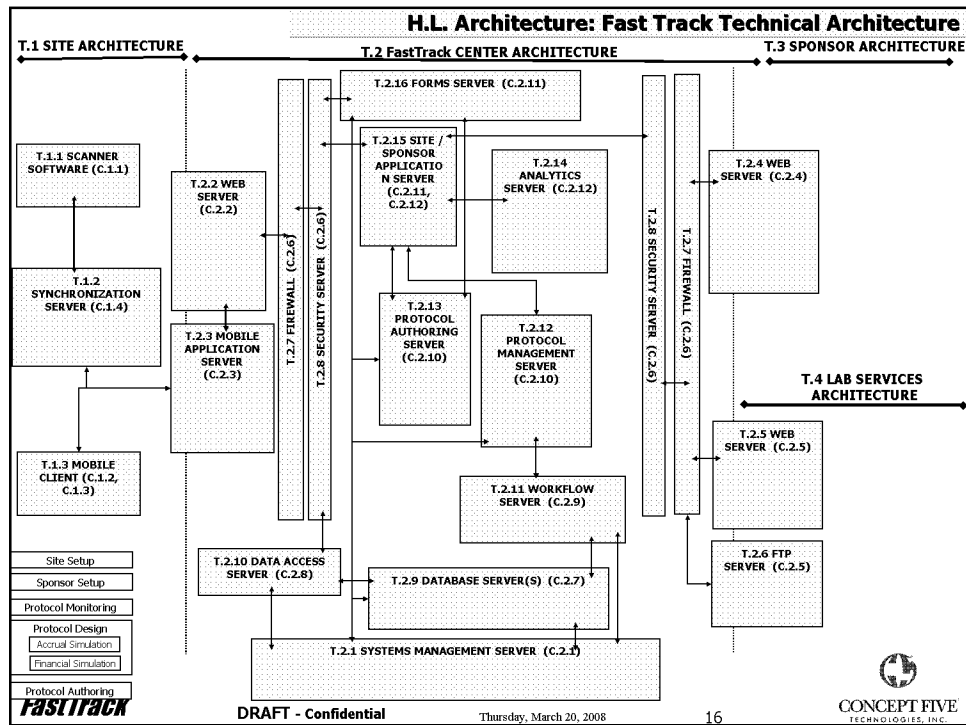
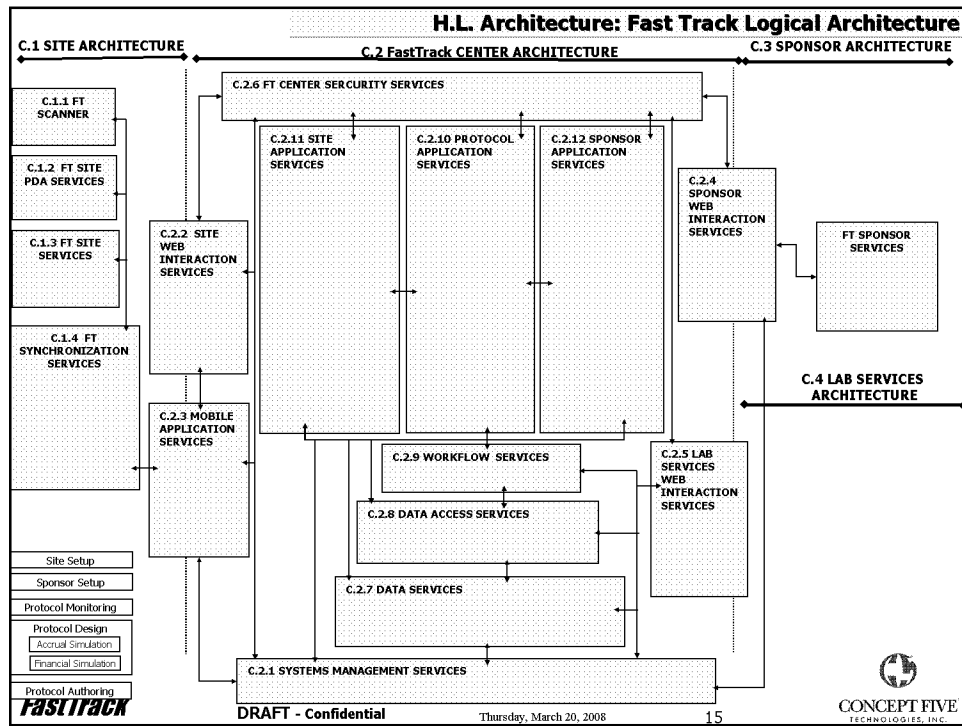
**Conceptual Model**











## H.L. Architecture: Fast Track Physical Architecture

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## H.L. Architecture: Fast Track Engineering Infrastructure

FastTrack SOFTWARE LAB

FastTrack BUSINESS PROCESS LAB

FastTrack DATA CENTER

**FastTrack**

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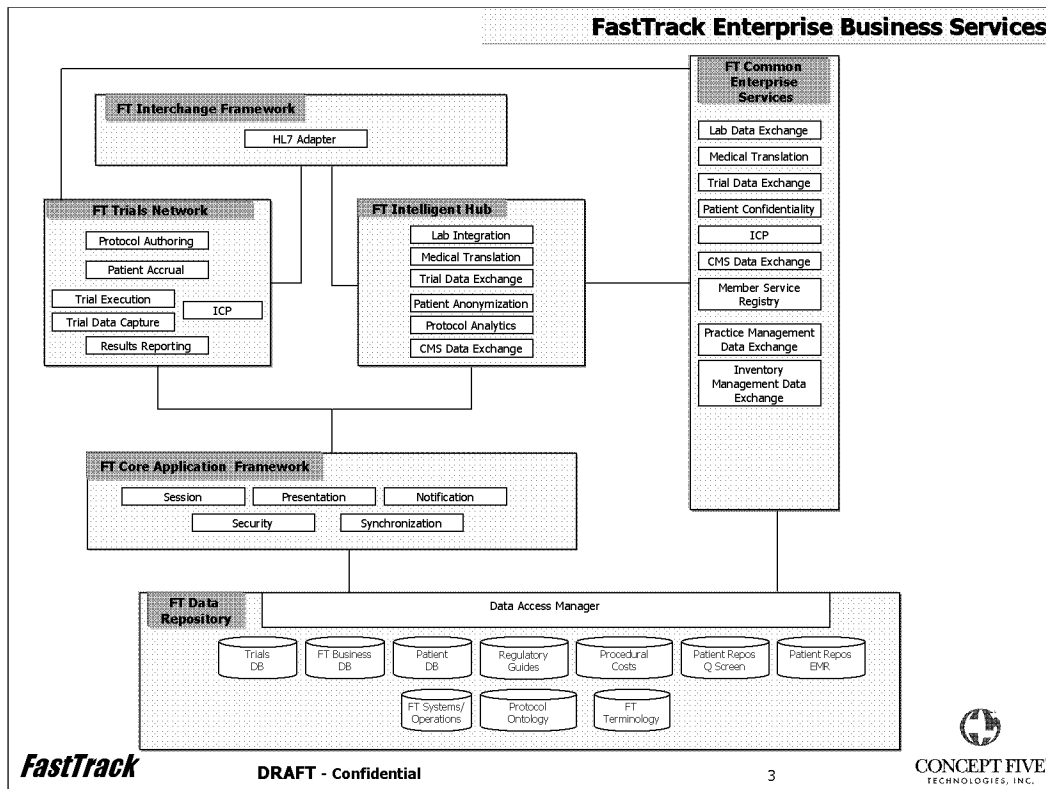
**EXHIBIT T TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**CONCEPT FIVE ARCHITECTURE SPEC 3.0,**  
**FEBRUARY 3, 2000**

## **Fast Track: Trials and Hub Application Architecture**

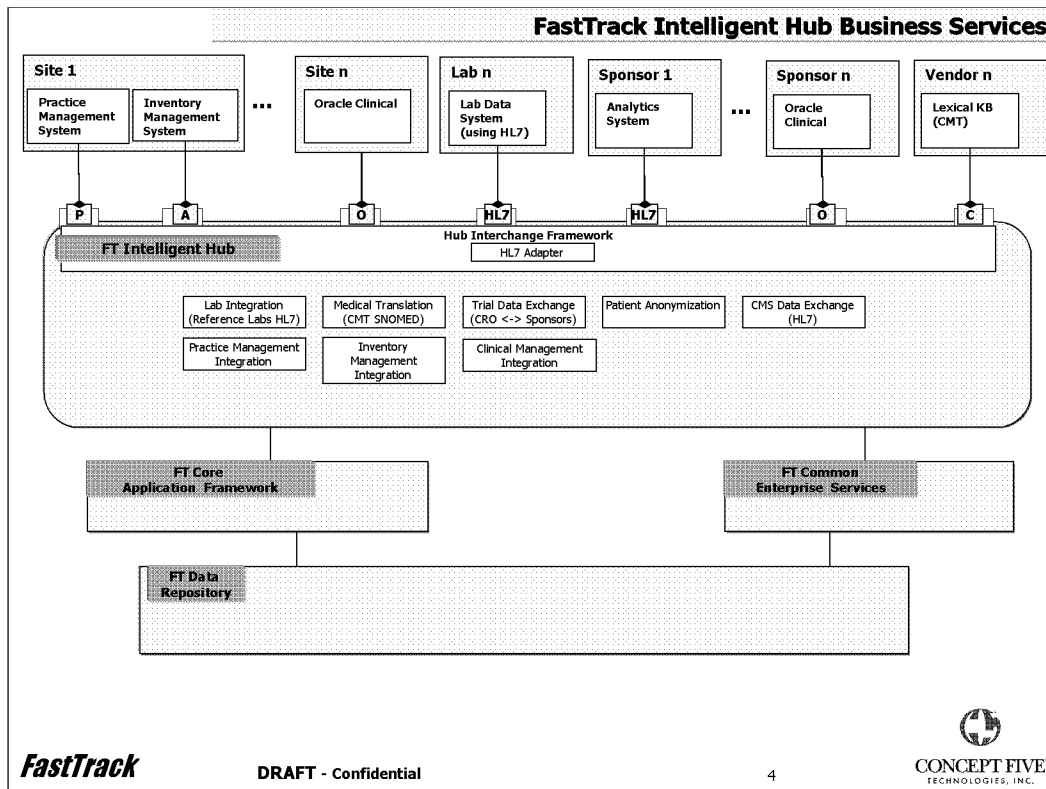
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The FastTrack architecture is designed to provide reliable, high-security business services in two key areas: Trials Network and Intelligent Hub. The Trials Network is a scalable network of clinical trials connecting sponsors, sites, and patients, managing trial authoring and execution using an Intelligent Clinical Protocol engine, and providing non-obtrusive data integration and collection. Central to the Trials Network is ICP-enabled hosting on the FastTrack data center of key services for sponsors and sites. The Intelligent Hub provides adaptor-based integration of sponsor and CRO applications, in addition to supporting the Trials Network integration requirements.

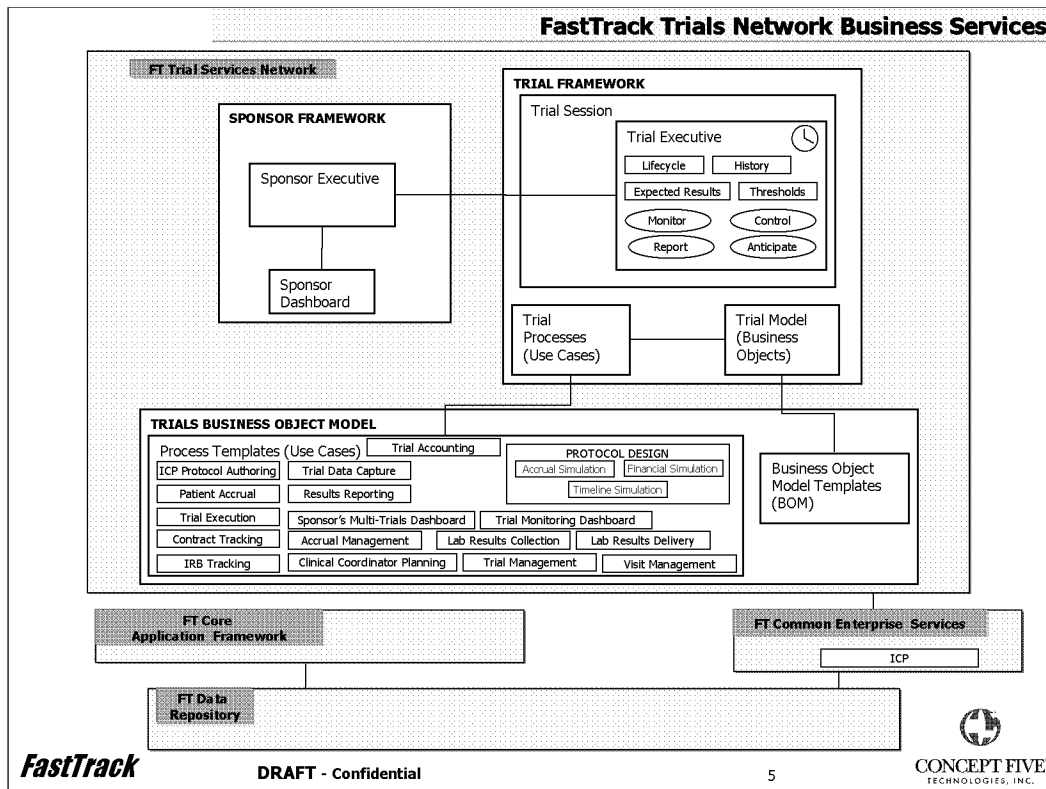
The Trials Network and Intelligent Hub are built on a common architecture, the Core Application Framework. The Core Application Framework provides the following underlying application functionality: session management, security, presentation management, events and notification, and synchronization services. The Trials Network and Intelligent Hub also utilize the Common Enterprise Services to execute shared data exchange, patient confidentiality, and member registry services. The data generated, exchanged, and presented by the Trials Network and the Intelligent Hub is securely stored in the Data Repository. The distinct databases sets in the Data Repository are accessed through a Data Access Manager.



The Intelligent Hub provides adaptor-based integration of sponsor and CRO applications, in addition to supporting the Trials Network integration requirements. An open standards-based data integration platform, the Intelligent Hub provides sponsors and CROs with adapters to integrate their applications and securely share or exchange the data from these applications. The Hub also offers sponsors the ability to easily integrate prototype applications and test them with data provided by the hub. Once integrated, sponsors' applications can use the Hub for data interchange, translation, and processing.

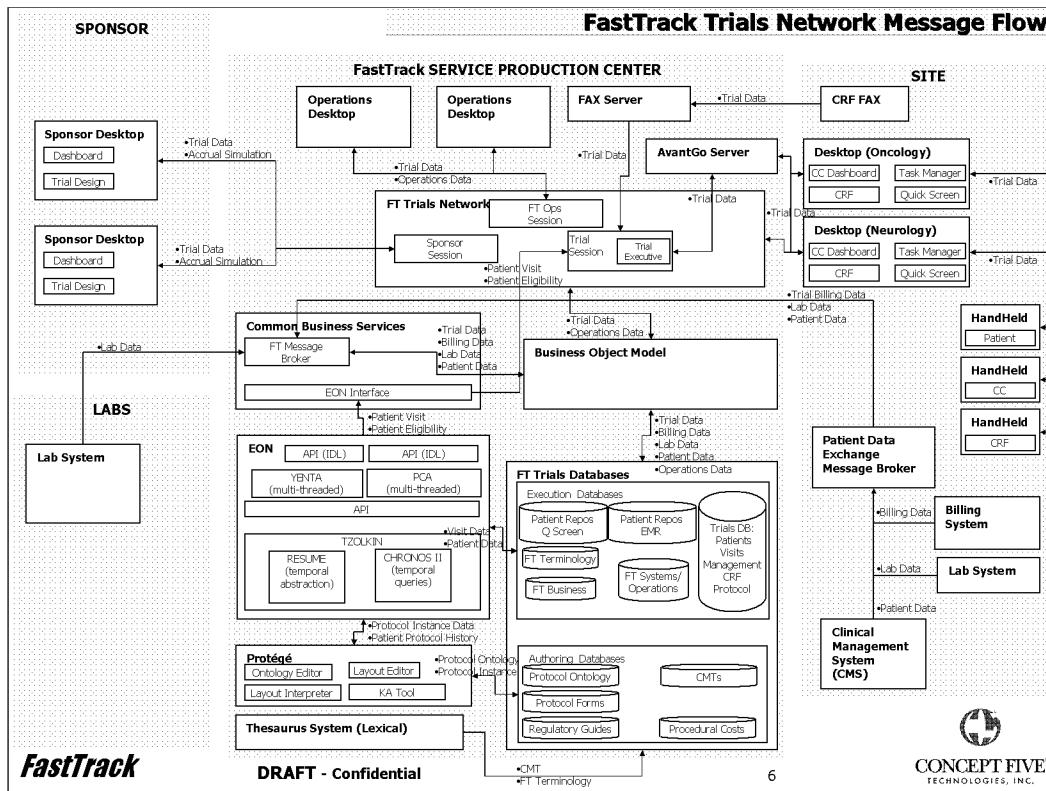
The Intelligent Hub is built on a suite of core capabilities such as security, controlled medical terminology (CMT) translation services, and HL7 messaging. These services allow FastTrack to integrate multiple data sources in a secure, efficient manner. Architecturally, the Intelligent Hub provides adapters and integration kits as mechanisms for customized interfacing of the sponsors' applications. The execution of the data exchange is based on a publish-and-subscribe model.



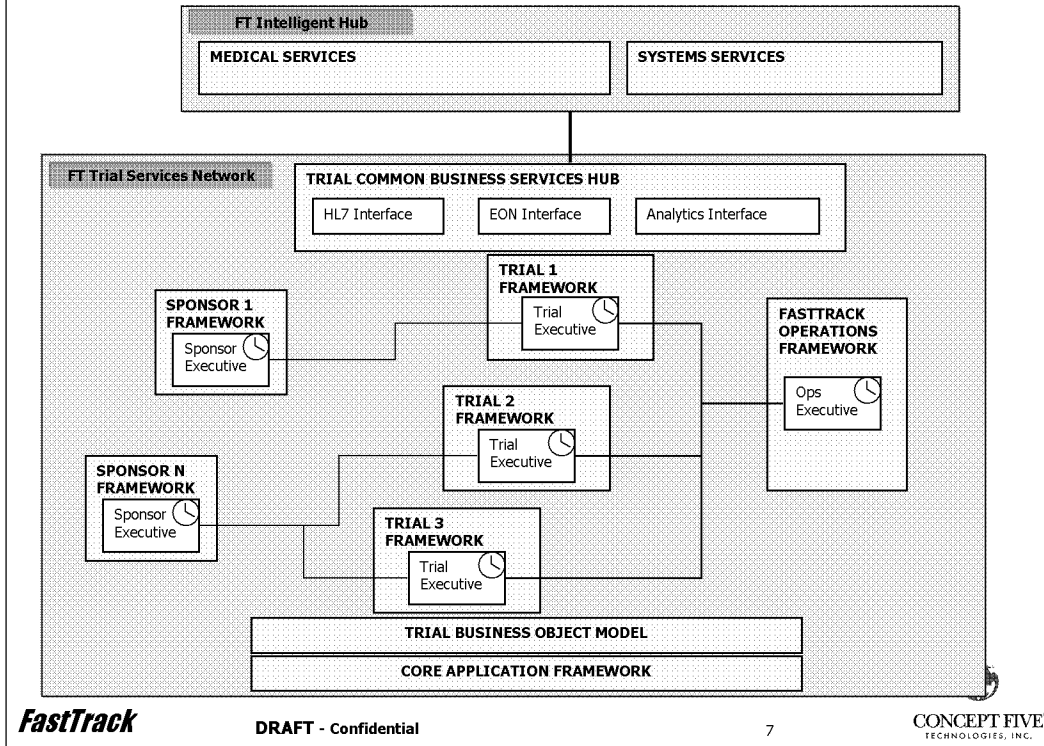


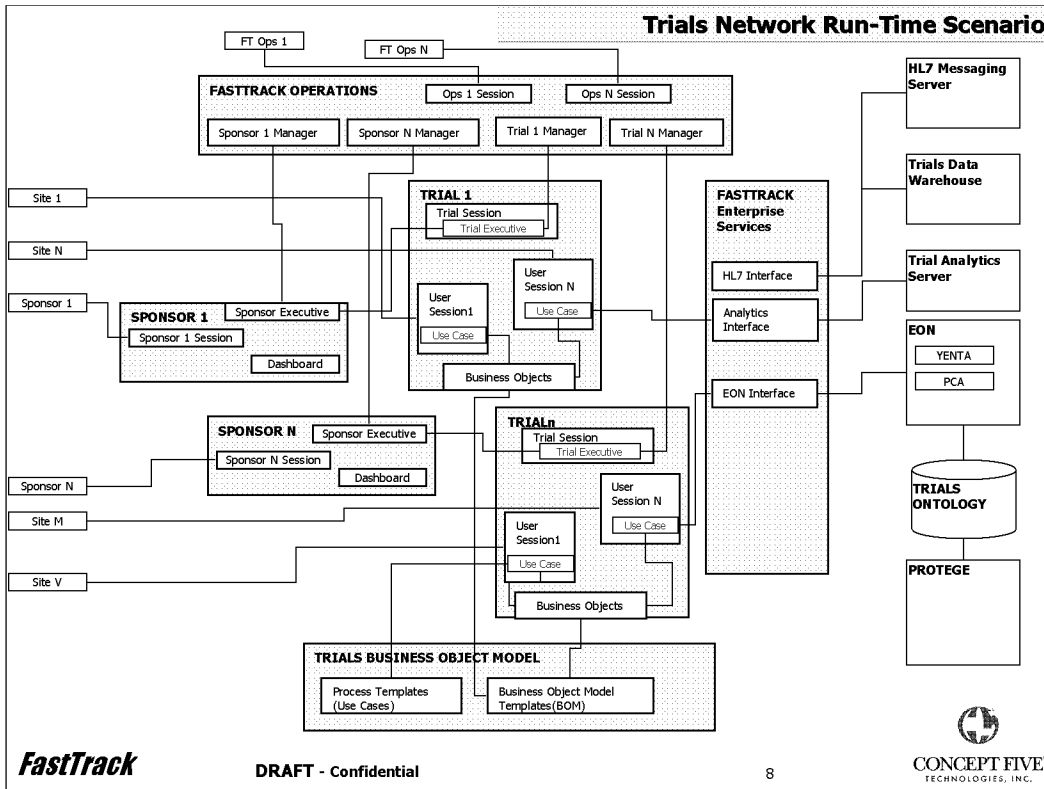
The Trials Network is a scalable network of clinical trials connecting sponsors, sites, and patients, managing trial authoring and execution using an Intelligent Clinical Protocol engine, and providing non-obtrusive data integration and collection. Central to the Trials Network is ICP-enabled hosting on the FastTrack data center of key services for sponsors and sites. The Trials Network offers ICP-based trial design tools, a protocol is designed, optimized, and tested before “going live” in the production environment. Sites are notified of new trials in the FastTrack system and make use of trial set-up tools to check for eligible patients, create a budget, collect trial data, and track activities such as contract negotiation and IRB approval. Once sites are enrolling patients, the sites make use of tools for accrual and task management, while sponsors have access to up-to-the minute status reports.

The Trials Network is a collection of trials where each trial and its lifecycle is maintained by a Trial Framework. Each Trial’s framework is a uniquely instantiated “Virtual Machine” providing trials with lifecycle management and data isolation. The Trial Executive for each Trial provides run-time monitoring of trial results, and the primary communication agent for the trial in the network. Each trial’s instantiated framework provides the context for the execution of the trial services for sponsors and sites. Because trials share a common business object model, it allows for compatibility across versions of a trial and comparison across trials.

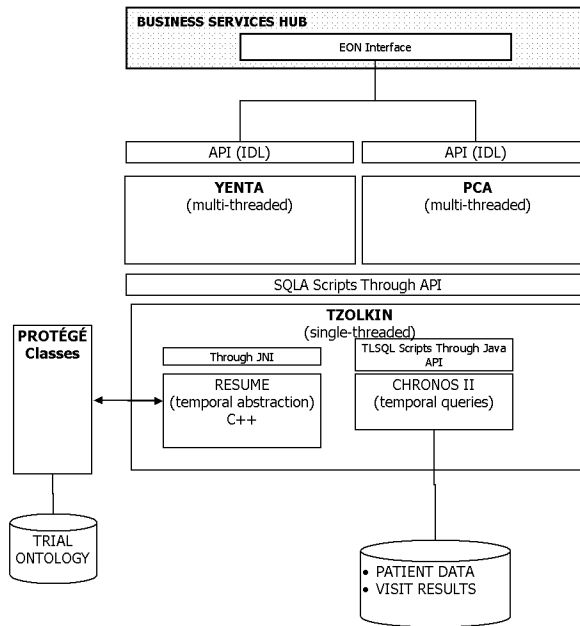


## FastTrack Trials Network Monitoring Scenario





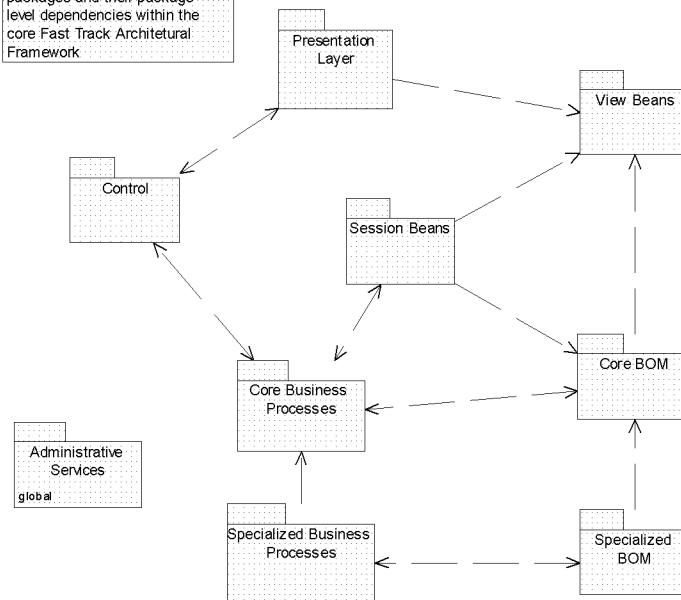
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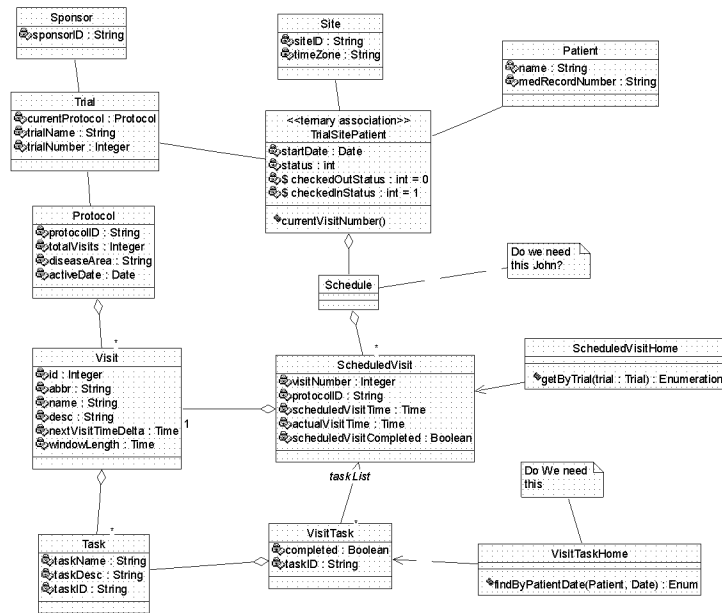
Set of services for protocol execution, trial eligibility, temporal abstractions, time series queries

## Application Architecture - Logical Package View

A Logical View of the core packages and their package level dependencies within the core Fast Track Architectural Framework

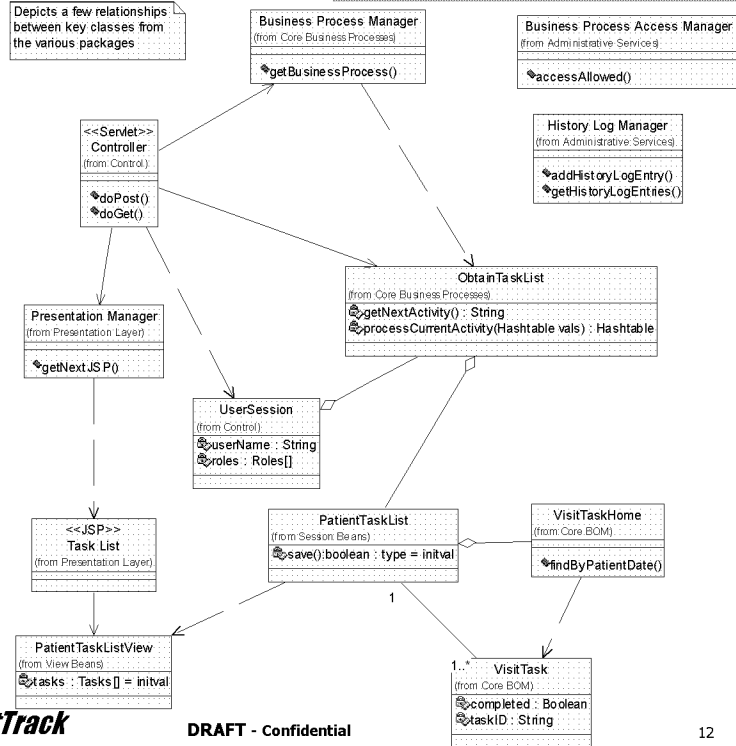


## Application Architecture - Preliminary BOM



## Application Architecture - Static View

Depicts a few relationships between key classes from the various packages



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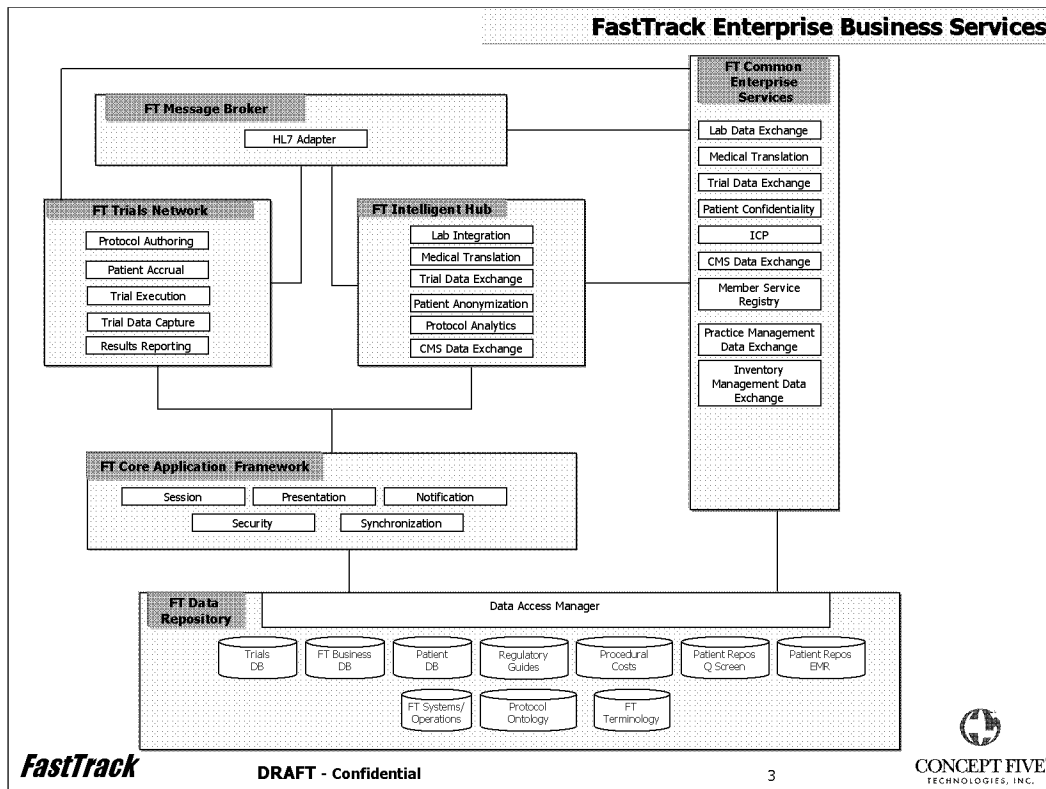
**EXHIBIT U TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**CONCEPT FIVE ARCHITECTURE SPEC 3.6,**  
**FEBRUARY 22, 2000**

## **Fast Track: Trials and Hub Application Architecture**

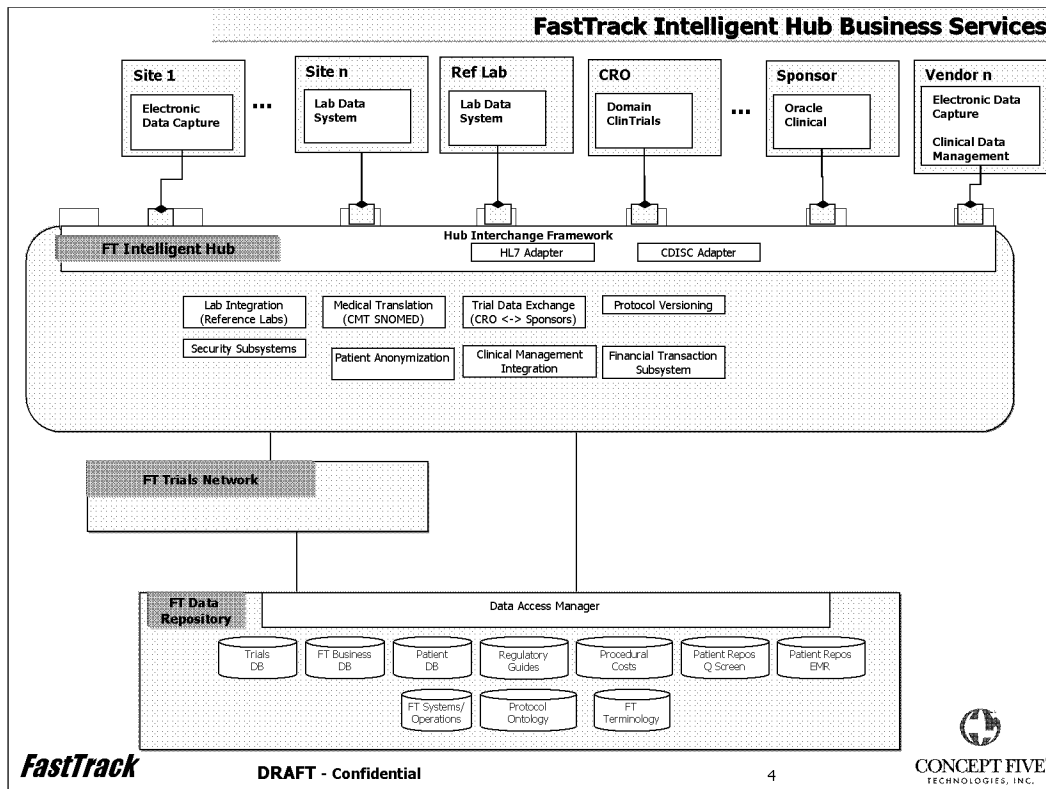
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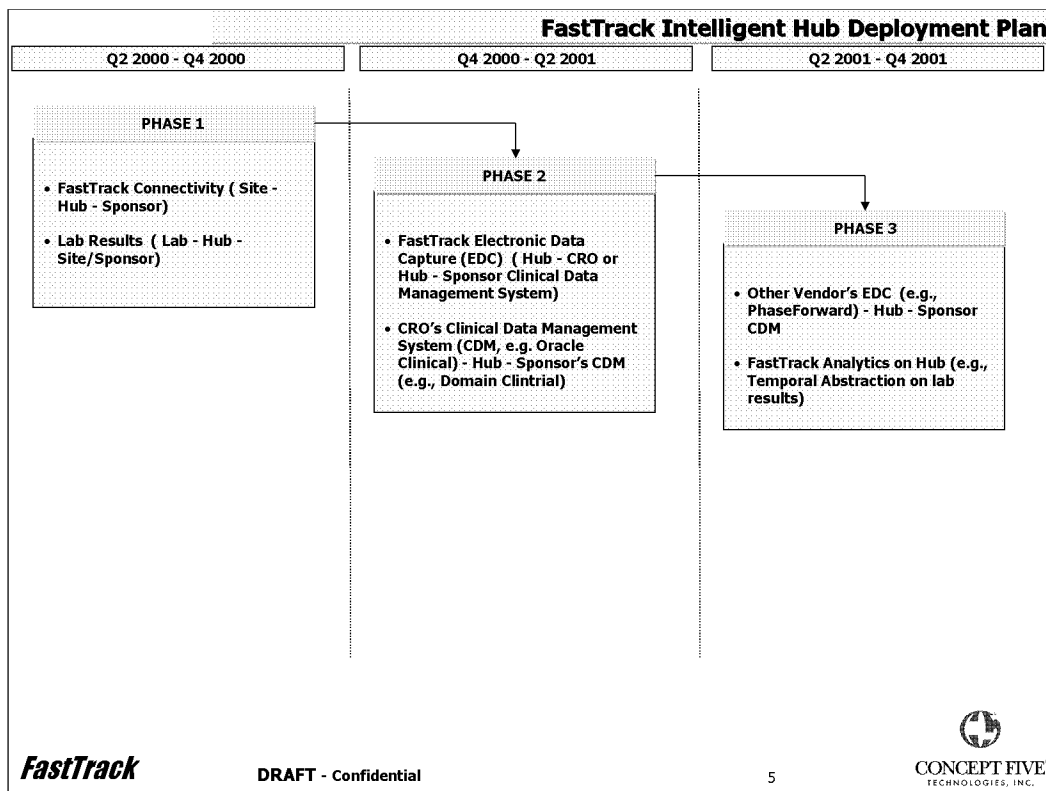
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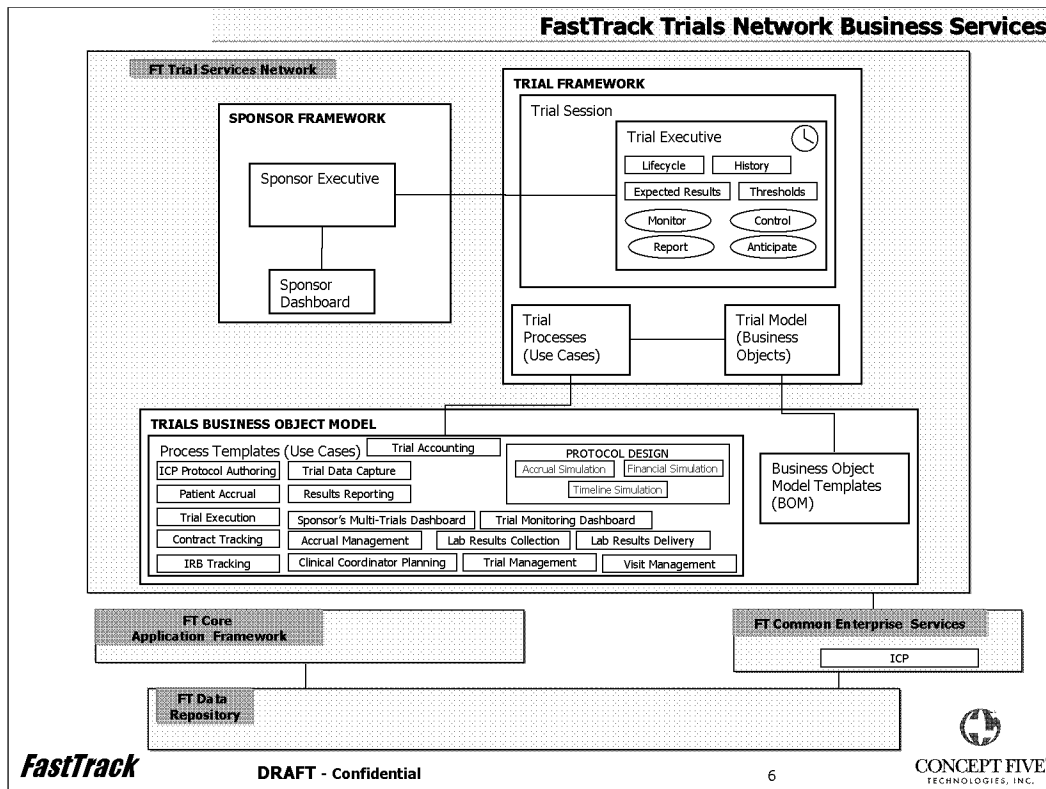
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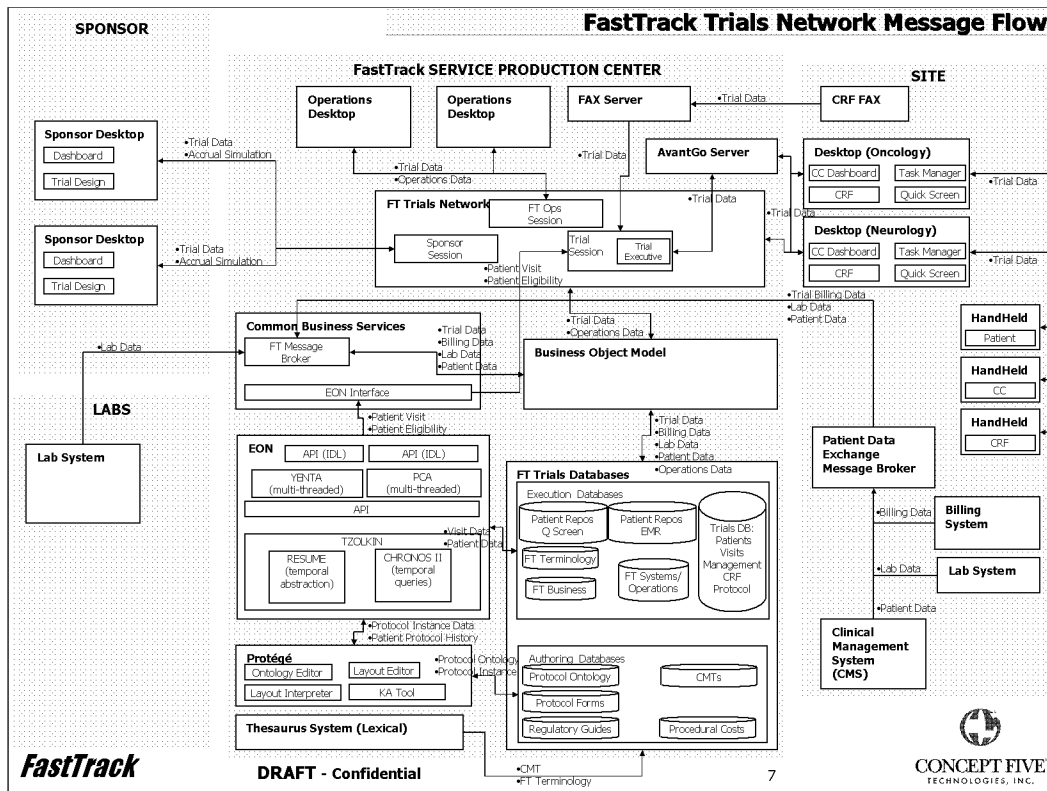
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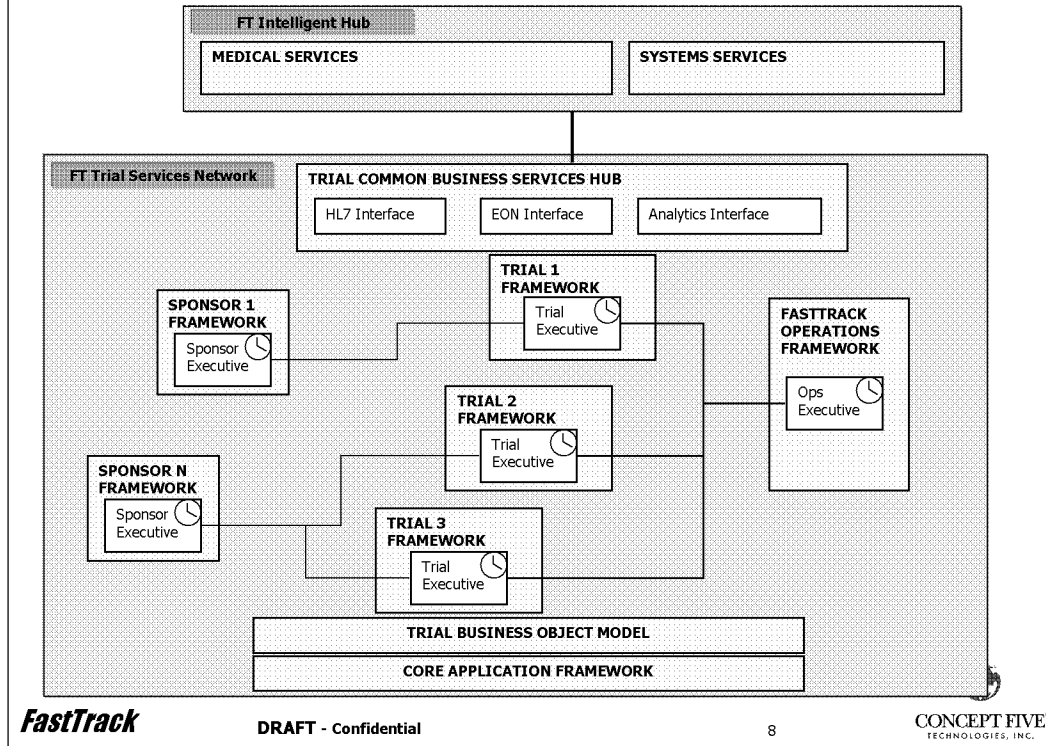
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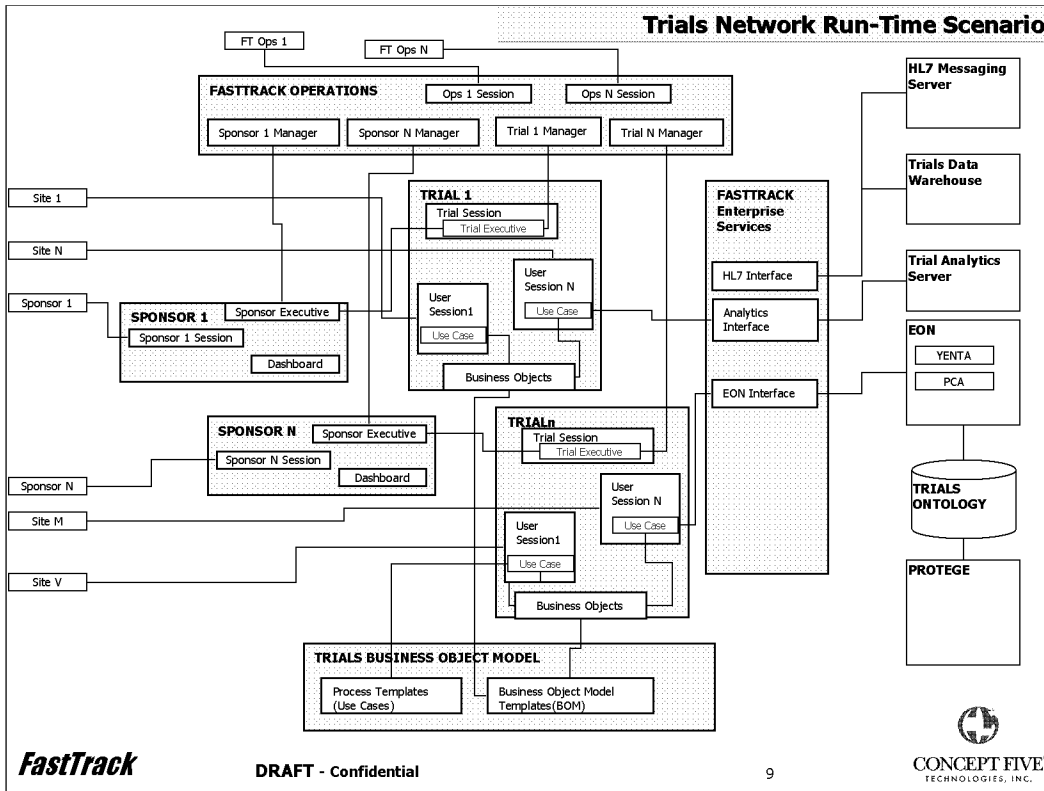
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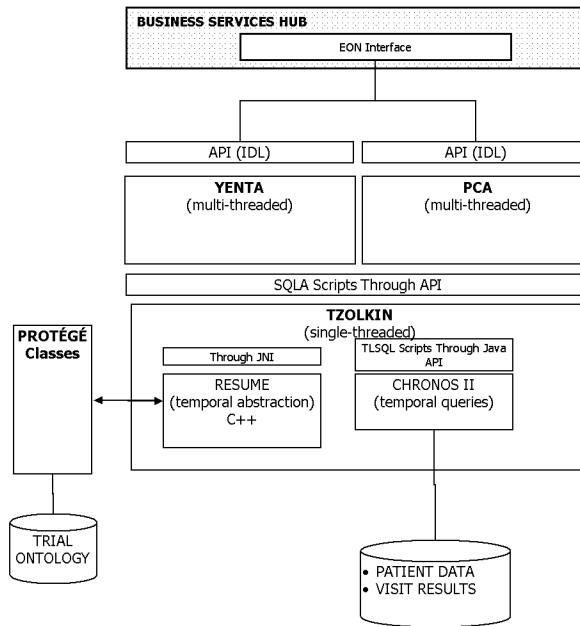


## FastTrack Trials Network Monitoring Scenario





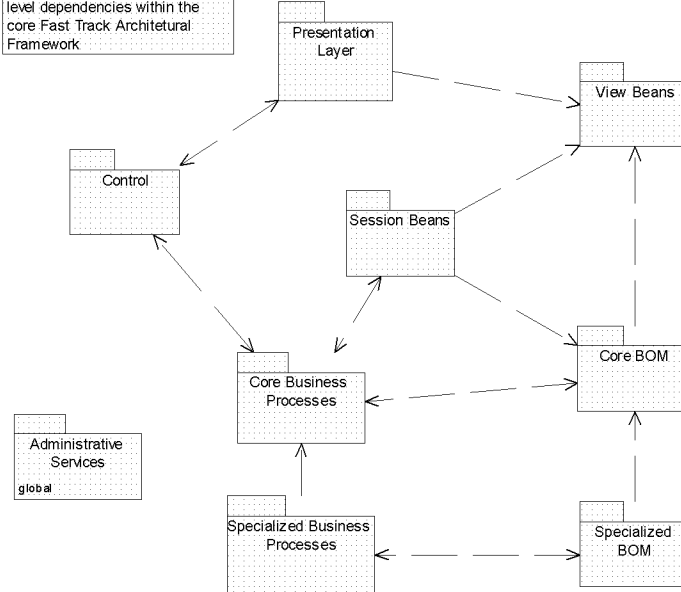
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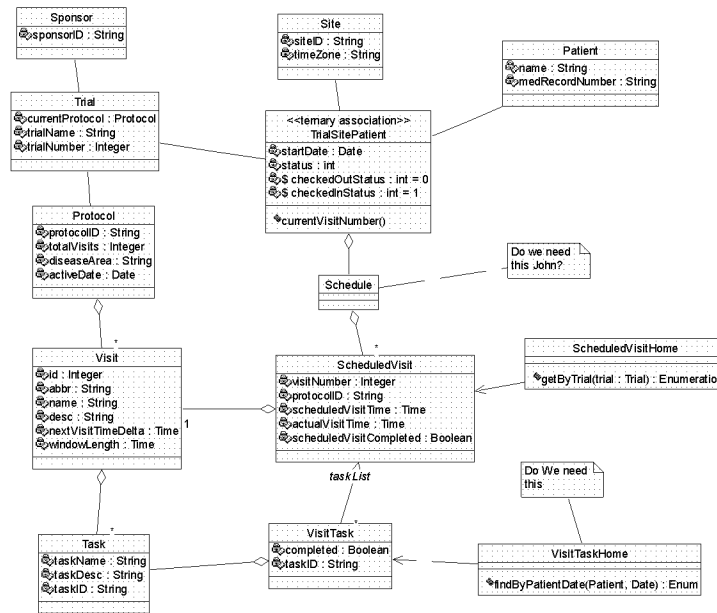
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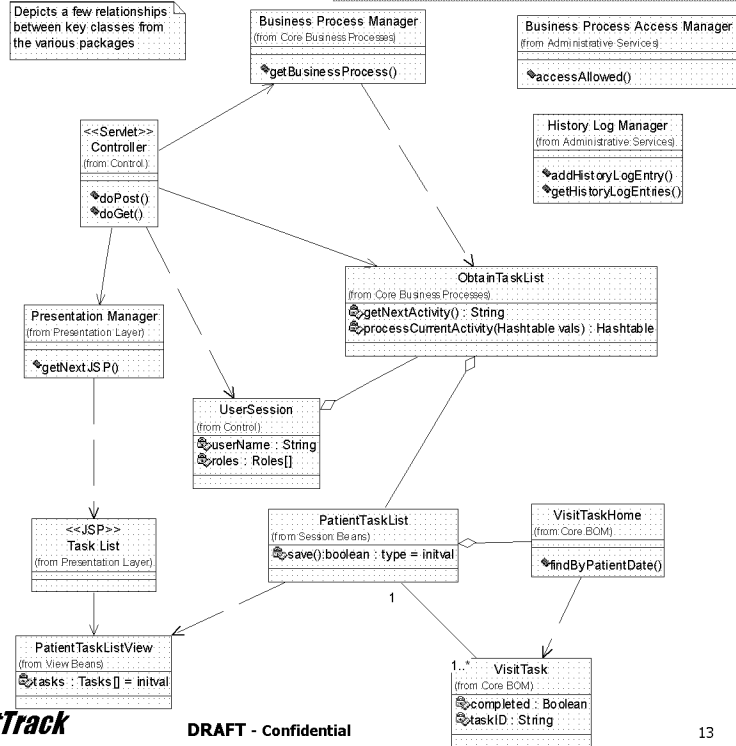


## Application Architecture - Preliminary BOM



## Application Architecture - Static View

Depicts a few relationships between key classes from the various packages

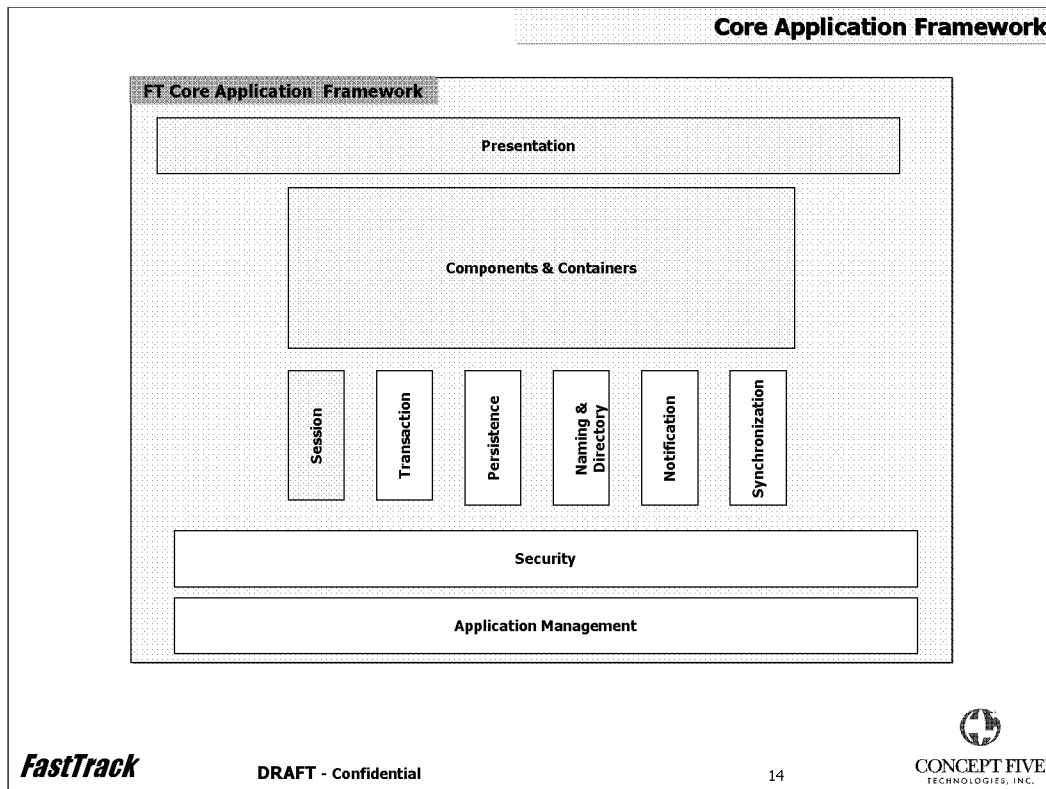


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The Core Application Framework provides a common, open standards-based architectural framework on which FastTrack applications are built. These applications include the Trials Network and the Intelligent Hub today. This Core Application Framework is built on adopted industry standard APIs and presents an integrated higher level interface on which FastTrack business solutions are developed.

The FastTrack Core Application Framework is based on the Java 2 Platform, Enterprise Edition (J2EE) and CORBA 2.0. Using products that support these standards is allowing FastTrack to base its applications on a scalable component architecture.

### **The FastTrack Application Framework offers the following features for its applications:**

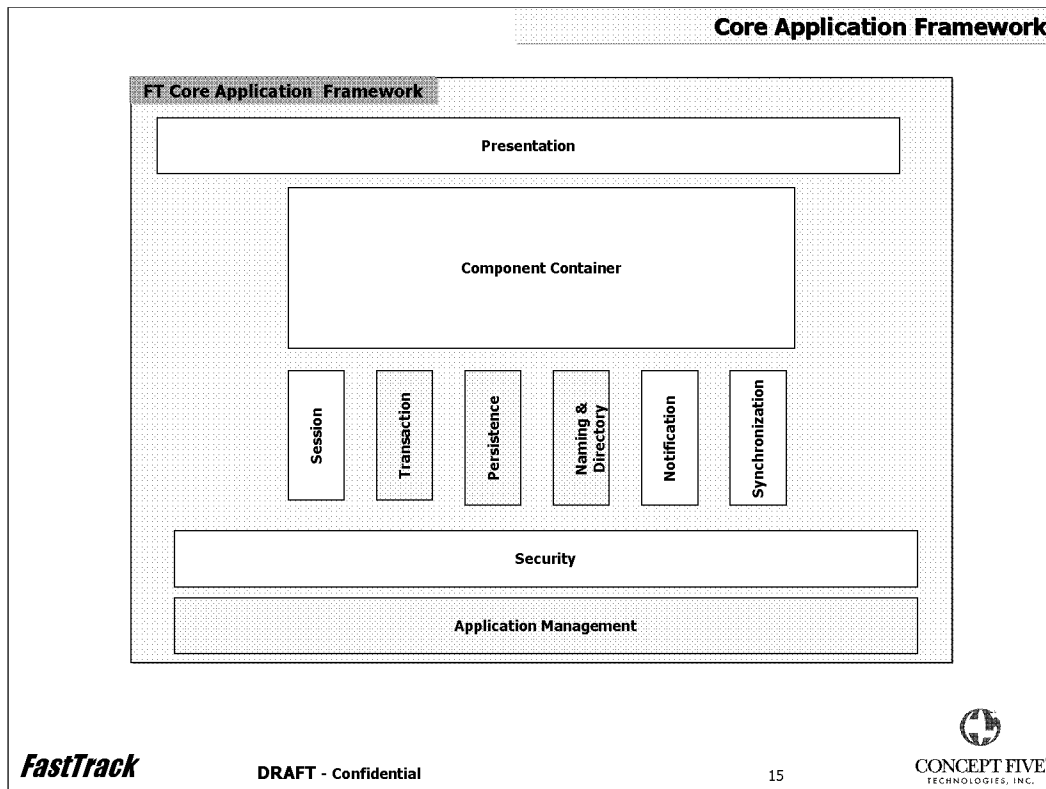
#### **Presentation Management**

The Presentation Management Framework offers services for Web Server API support, and Web page generation and caching. These services are based on Java Server Pages (JSP) in the J2EE specification. The JSP templates in the FastTrack framework provide presentation and UI features and integrate with the business components to deliver the look-and-feel to FastTrack trial service pages as well as Personal Digital Assistants (PDAs). More complex UI functionality in FastTrack applications is built using Java Application frameworks that are part of the Presentation Management Framework.

#### **Components and Containers**

FastTrack is using the Enterprise Java Bean component standard as the underlying mechanisms for its component framework. EJB containers in this framework provide a run-time environment for the beans. EJB servers provide a run-time environment for the containers in this framework. The FastTrack framework defines the types of containers, session beans, and entity beans that compose its applications' architectural foundations. The component framework also offers integration with the Presentation Management framework, allowing FastTrack JSPs and Java Applications to use the business service components.

FastTrack application sessions represent business processes in its Application Framework. These business processes are implemented using a collection of EJB stateful and stateless session beans.



**The FastTrack Application Framework offers the following features for its applications (cont.):**

#### **Transaction Management**

The Transaction Management framework is built on the Java Transaction API (JTA) which uses the Java Transaction Service (JTS). This framework provides a simple programming model for transactions within the context of Object Transaction Services (OTS). It also offers object level integrity and caching, transparent thread-safety based on transactional context, business object integration with OTS and XA resource managers.

#### **Persistence**

Based on the EJB persistence model, FastTrack's persistence framework uses JDBC for its database operations. This model allows FastTrack's application framework to offer connection management and pooling, transparency from application programmers within the context of OTS transactions, transactional redundant updates, and an integration point between business components and persistence.

#### **Naming & Directory**

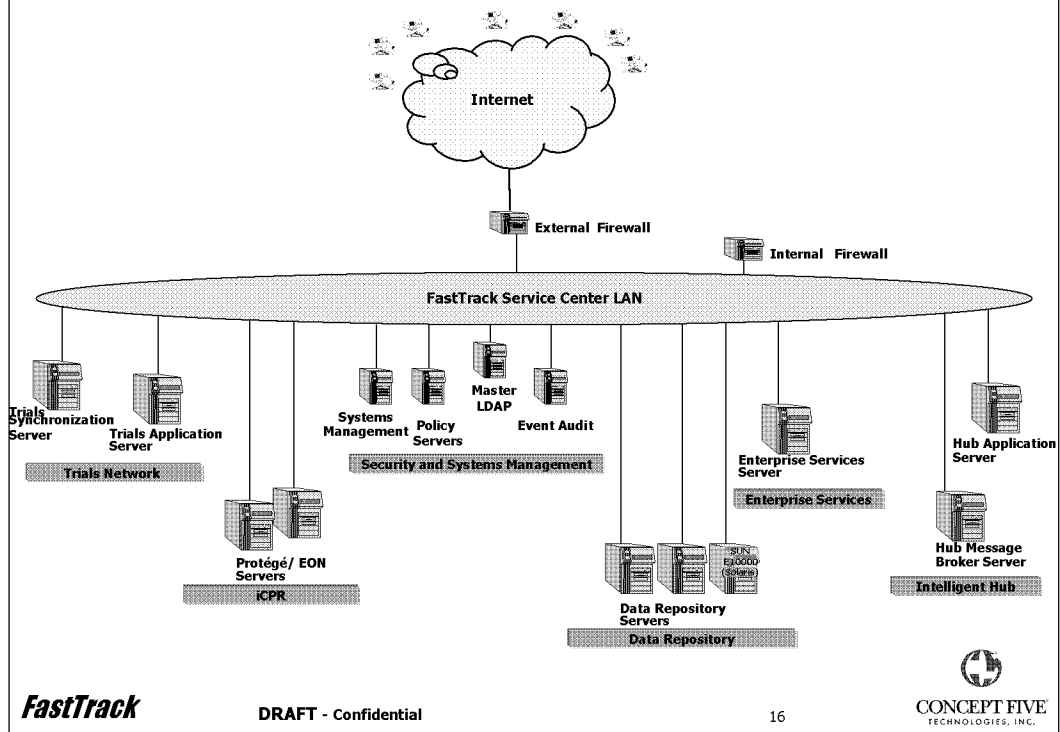
FastTrack uses the Java Naming and Directory Interface (JNDI) to look up distributed components across its applications. While JNDI offers FastTrack components a uniform way to access directory services, the FastTrack directory services are based on LDAP servers.

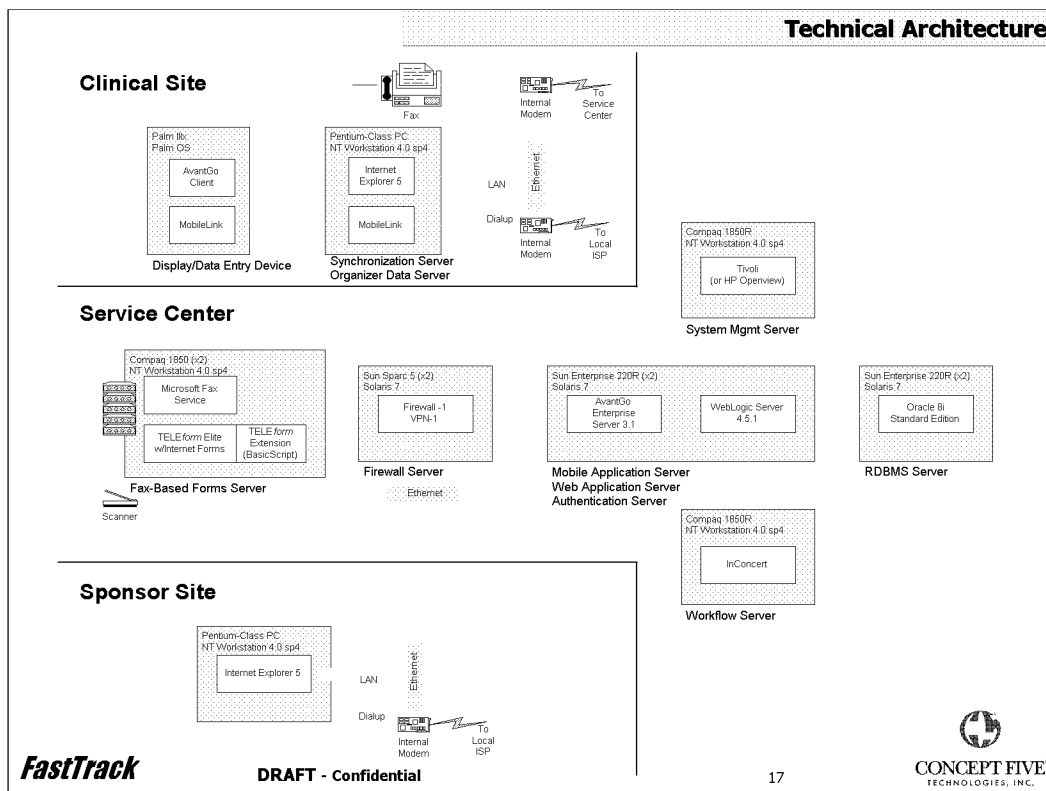
#### **Application Management**

FastTrack's Application Framework depends on its underlying Application Server - BEA's WebLogic Enterprise - to offer application management services. These services include dynamic load balancing of server clusters, automatic server failover, transparent instrumentation of business components (handled by Java Management Extension API), state/session management and recovery, data caching, and integration with commercial network management protocols.



## Physical Architecture





This technical architecture supports the FastTrack Trials network and the participating sponsors, sites, and FastTrack Service Center employees.

### Deployment Characteristics

- 24x7 Availability.
- Must be scalable and fault tolerant.
- Software is deployed from the Source Repository via Symantec Enterprise.
- Database Schema are deployed from ER/WIN.
- Database content (such as new form templates) is deployed via Oracle's database synchronization process.

### Hardware/ OS

#### Service Center

- 4 500 MHz Compaq 1850R's w/1 GB RAM
- 2 Sun Ultra 2s w/256 MB RAM
- 4 Sun Enterprise 220R's w/1 GB RAM
- 2 Cisco Systems Local Directors

#### Clinical Sites

- 1 or more NT desktops
- 1 or more Palm IIIx PDAs

#### Sponsor Sites

- 1 or more NT Workstations

### Applications

#### Service Center

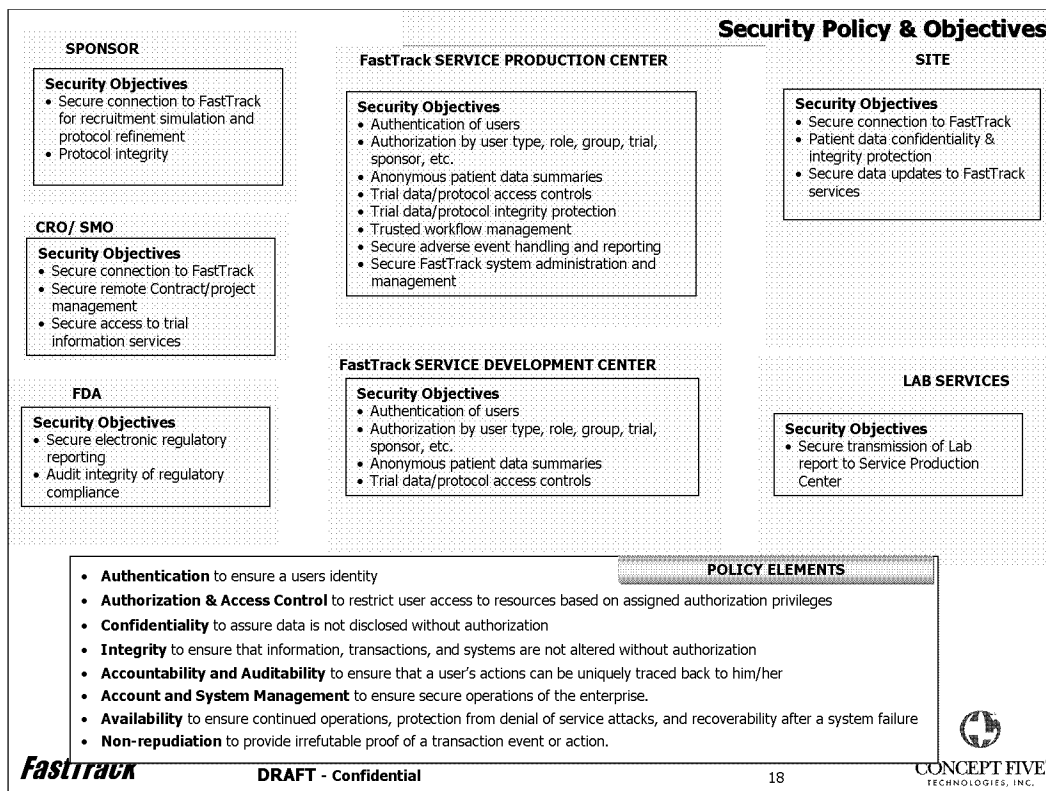
- AvantGo Enterprise Server
- WebLogic Application Server
- Oracle Standard
- Microsoft BackOffice (for Fax Service post R1.5)
- TELEforms Forms Server (post R1.5)
- System Management Server
- Workflow Server
- Firewall

#### Clinical Sites

- AvantGo Client on each PDA and desktop
- MobileLink on each PDA and desktop
- Web Browser on each desktop
- Palm Emulator on each desktop

#### Sponsor Sites

- Web Browser



**Authentication** - Verification of the identity of a user, device, or other entity in a computer system during the login attempt. The login process will use encrypted Userid, password and a one-time-password for the accessing Fasttrack system. All login attempts, successful or failed, are logged for future audits. All logins including internal and external are required to authenticated through a Authentication Server

**Access Control** - The security mechanism that prevents the unauthorized access from external computer systems. Every external system accessing Fasttrack via the Internet will have an assigned IP address. The security mechanism will only allow access from approved IP addresses.

A firewall is the type of security mechanism that controls access from external systems.

**Integrity** - System integrity is a quality that a system has when it performs its intended function in an unimpaired manner, free from deliberate or inadvertent unauthorized manipulation.

Database integrity is maintained by using transaction logs, database replication and audit trails. The Database will be backed on a regular schedule with tapes rotating offsite weekly and onsite tapes stored in fire proof safe.

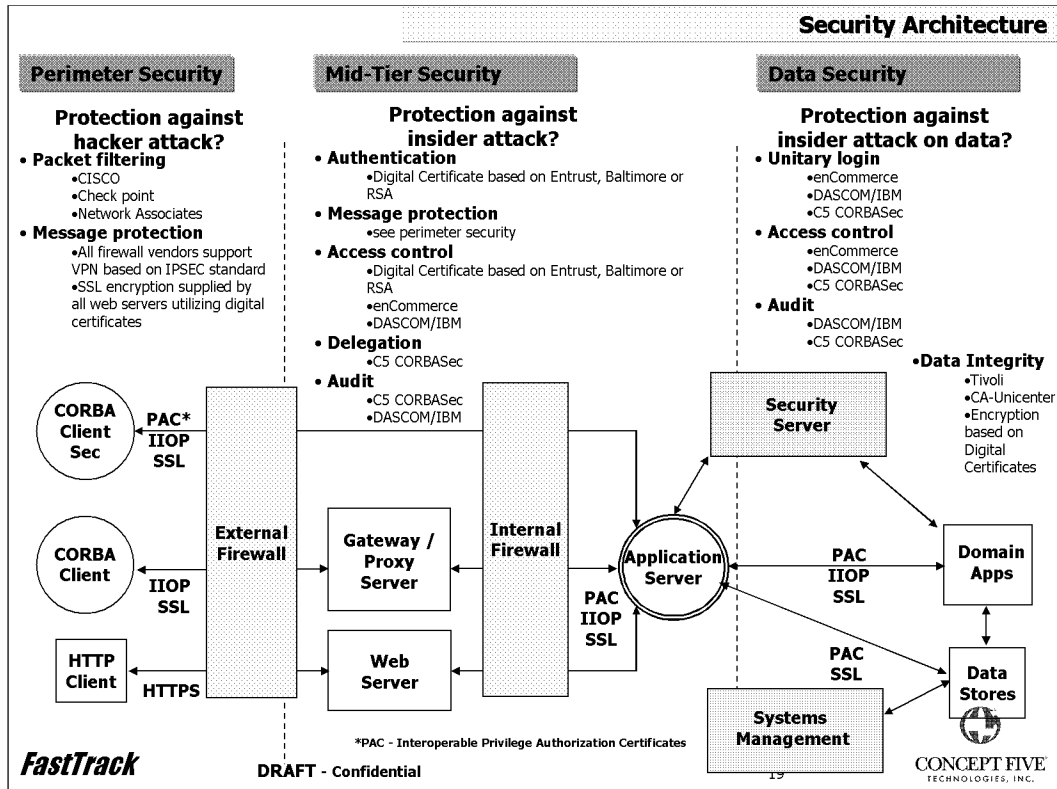
Database modifications will be verified after update procedure is completed with incorrect data rolled back immediately. The transaction log will be used roll back updates if failure is detected.

**Privacy** - Privacy of the data is of extreme importance. The privacy of the data and of any patient data will be ensured by using encryption from the Clinical sites to the database at Fasttrack. The data stored in the database is encrypted and password protected. The database administrator will only directly access the database. All other users and application will use defined queries and views which will limit access to the data.

**Accountability (Logging and Auditing)** - The ability to trace a user's actions back to a transaction enabling a user to be held responsible for his/her actions. All activity from user logins to computer access will be logged for future auditing. All database modifications will be logged in a transaction log for auditing and data restores.

**Account and System Management** - System management server will be used to monitor all components of the Fasttrack system. One or more administrators will be chosen to manage and monitor the Fasttrack system.

## Security Architecture



**EXHIBIT V TO SECOND DECLARATION OF INVENTOR  
MICHAEL MISCHKE-REEDS  
UNDER 37 C.F.R. §1.131(b)**

**SCREEN SHOT SHOWING LAST-MODIFIED DATES**

Michael > Documents > Michael Backups > Fast Track docs

Organize Views Burn

Favorite Links

- Documents
- Pictures
- Music
- More >>

Folders

- Michael Backups
- Fast Track docs

Name	Date modified	Type	Size	Tags
	3/21/2008 5:30 AM	File Folder		
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	7/15/1999 12:17 PM	Microsoft Word D...	32 KB	
	8/8/1999 2:12 PM	Microsoft Word D...	22 KB	
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"U" →	1/11/2000 8:10 PM	Microsoft Excel W...	30 KB	
"Q" →	2/3/2000 6:36 AM	Microsoft PowerP...	214 KB	
	2/22/2000 9:23 AM	Microsoft PowerP...	407 KB	
	3/28/2000 9:23 AM	Microsoft Excel W...	17 KB	
	4/9/2000 10:10 PM	Microsoft Word D...	21 KB	

27 items

Fast Track ... Microsoft ... Inbox - Mic... RE: FSTK 10...